

# INDUSTRIAL ETHERNET PRODUCTS GUIDE



2026



ikings Technology

## OUR PORTFOLIO



**Media Converters**



**Ethernet Switches**



**PoE Products**



**Accessories**

**VIKINGS TECHNOLOGY** designs and manufactures high reliability industrial grade fiber **MEDIA CONVERTERS**, managed and unmanaged **ETHERNET SWITCHES**, **POE PRODUCTS**, as well as long-range fiber extenders, engineered for mission-critical applications across security systems, intelligent transportation, aviation infrastructure, and industrial automation, where consistent Ethernet performance and uptime are paramount.

At **VIKINGS TECHNOLOGY** we're confident, that during warranty period our Products will be free from defects in materials and workmanship. Therefore in such unusual situation, where problems may occur, we will provide a free replacement delivered to your doors. This is our promise!



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| MODEL                   | MCF-D5                                                                                   | MCFP-D5                          | MCFP90-D5                           | MCG-D5                                          | MCGP-D5                          | MCGP90-D5                           |
|-------------------------|------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------|
| RJ45 ports and speed    | 1*10/100Base-TX                                                                          |                                  |                                     | 1*10/100/1000Base-TX                            |                                  |                                     |
| Fiber ports and speed   | 1*100Base-X SFP (optionally fiber inbuilt)                                               |                                  |                                     | 1*100/1000Base-X SFP (optionally fiber inbuilt) |                                  |                                     |
| Fiber connectors        | As per SFP module (optionally with fiber inbuilt: SC or ST)                              |                                  |                                     |                                                 |                                  |                                     |
| Max distance over fiber | As per SFP module (optionally with fiber inbuilt: 1km for Multimode 20km for Singlemode) |                                  |                                     |                                                 |                                  |                                     |
| PoE                     | n/a                                                                                      | IEEE802.3af/at<br>Max output 30W | IEEE802.3af/at/bt<br>Max output 90W | n/a                                             | IEEE802.3af/at<br>Max output 30W | IEEE802.3af/at/bt<br>Max output 90W |
| Power Input             | 12-48VDC, redundant                                                                      |                                  | 48-57VDC, redundant                 | 12-48VDC, redundant                             |                                  | 48-57VDC, redundant                 |
| Max Power consumption   | 5W                                                                                       | 35W                              | 95W                                 | 5W                                              | 35W                              | 95W                                 |
| Operating Temperature   | -40°C ~ +75°C                                                                            |                                  |                                     |                                                 |                                  |                                     |
| Dimensions              | 95*70*30mm                                                                               |                                  |                                     |                                                 |                                  |                                     |
| Mounting                | Din-Rail or Wallmount                                                                    |                                  |                                     |                                                 |                                  |                                     |
| Warranty                | 5 years                                                                                  |                                  |                                     |                                                 |                                  |                                     |



|                         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
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|                         |  |  |  |  |
| MODEL                   | MCF-S6-xyz                                                                        | MCFP-S6-xyz                                                                        | MCG-S6-xyz                                                                          | MCGP-S6-xyz                                                                         |
| RJ45 ports and speed    | 1*10/100Base-TX                                                                   |                                                                                    | 1*10/100/1000Base-TX                                                                |                                                                                     |
| Fiber ports and speed   | 1*100Base-X SFP or fiber inbuilt                                                  |                                                                                    | 1*1000Base-X SFP or fiber inbuilt                                                   |                                                                                     |
| Fiber connectors        | SC or ST or as per SFP module                                                     |                                                                                    |                                                                                     |                                                                                     |
| Max distance over fiber | 2km for Multimode 20km for Singlemode or as per SFP module                        |                                                                                    | 1km for Multimode 20km for Singlemode or as per SFP module                          |                                                                                     |
| PoE                     | n/a                                                                               | IEEE802.3af/at<br>Max output 30W                                                   | n/a                                                                                 | IEEE802.3af/at<br>Max output 30W                                                    |
| Power Input             | 5VDC                                                                              | 52VDC                                                                              | 5VDC                                                                                | 52VDC                                                                               |
| Max Power consumption   | 3W                                                                                | 33W                                                                                | 3W                                                                                  | 33W                                                                                 |
| Operating Temperature   | -10°C ~ +60°C                                                                     |                                                                                    |                                                                                     |                                                                                     |
| Dimensions              | 26 * 70 * 95mm                                                                    |                                                                                    |                                                                                     |                                                                                     |
| Mounting                | Standalone or in RM-S6<br>Rack Mount Chassis                                      | Standalone                                                                         | Standalone or in RM-S6<br>Rack Mount Chassis                                        | Standalone                                                                          |
| Power Adaptor           | Included                                                                          |                                                                                    |                                                                                     |                                                                                     |
| Warranty                | 3 years                                                                           |                                                                                    |                                                                                     |                                                                                     |



|                         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
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|                         |  |  |  |  |  |
| MODEL                   | MCG-S2                                                                            | MCG-S1-xyz                                                                         | MCF-C1-xyz                                                                          | MCG-C1-xyz                                                                          | MCC-D4                                                                              |
| RJ45 ports and speed    | 1*10/100/1000Base-TX                                                              |                                                                                    | 1*10/100Base-TX                                                                     | 1*10/100/1000Base-TX                                                                | 1*10/100Base-TX                                                                     |
| Fiber ports and speed   | 1*100/1000Base-X SFP                                                              | 1*100/1000Base-X fiber inbuilt                                                     | 1*100Base-X SFP or fiber inbuilt                                                    | 1*1000Base-X SFP or fiber inbuilt                                                   | 1*100/1000Base-X SFP                                                                |
| I/O ports               | n/a                                                                               |                                                                                    |                                                                                     |                                                                                     | 1 * bidirectional Contact Closure                                                   |
| Fiber connectors        | As per SFP module                                                                 | SC or ST                                                                           | SC or ST or as per SFP module                                                       | SC or ST or as per SFP module                                                       | As per SFP module                                                                   |
| Max distance over fiber | As per SFP module                                                                 | 1km for Multimode<br>20km for Singlemode                                           | 2km for Multimode 20km for Singlemode or as per SFP module                          | 1km for Multimode 20km for Singlemode or as per SFP module                          | As per SFP module                                                                   |
| PoE                     | n/a                                                                               |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Power Input             | 5-15VDC                                                                           |                                                                                    | From RM-C1 chassis                                                                  |                                                                                     | 9-48VDC<br>9~24VAC                                                                  |
| Max Power consumption   | 3W                                                                                |                                                                                    |                                                                                     |                                                                                     | 5W                                                                                  |
| Operating Temperature   | -10°C ~ +60°C                                                                     |                                                                                    |                                                                                     |                                                                                     | -40°C ~ +75°C                                                                       |
| Dimensions              | 18*27*79mm                                                                        | 18*44*62mm                                                                         | 87*130*25mm                                                                         |                                                                                     | 90*70*30mm                                                                          |
| Mounting                | Standalone or Wallmount                                                           |                                                                                    | Card, mountable in RM-C1 chassis                                                    |                                                                                     | Din-Rail or Wallmount                                                               |
| Warranty                | 3 years                                                                           |                                                                                    |                                                                                     |                                                                                     | 5 years                                                                             |



|                         |                                                                                   |                                                                                    |                                                                                     |                                                                                                 |                                                                                            |
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|                         |  |  |  |              |         |
| MODEL                   | SUG210-D5                                                                         | SUG210P-D5                                                                         | SUG210P90-D5                                                                        | SUG220-D6                                                                                       | SUG220P-D6                                                                                 |
| RJ45 ports and speed    | 2*10/100/1000Base-TX                                                              |                                                                                    |                                                                                     |                                                                                                 |                                                                                            |
| Fiber ports and speed   | 1*100/1000Base-X SFP (optionally fiber inbuilt)                                   |                                                                                    |                                                                                     | 2*100/1000Base-X SFP                                                                            |                                                                                            |
| Fiber connectors        | As per SFP module (LC or SC) Optionally with fiber inbuilt (SC or ST)             |                                                                                    |                                                                                     | As per SFP module (LC or SC)                                                                    |                                                                                            |
| Max distance over fiber | As per SFP module (1/2/20km and optional more)                                    |                                                                                    |                                                                                     |                                                                                                 |                                                                                            |
| Switching Bandwidth     | 6Gbps                                                                             |                                                                                    |                                                                                     | 8Gbps                                                                                           |                                                                                            |
| DIP switches            | n/a                                                                               |                                                                                    |                                                                                     | 1. Redundant fiber<br>2. Flow control<br>3. Broadcast storm suppression<br>4. 100M/1G selection | 1. Redundant fiber<br>2. 100M/1G selection<br>3. 250m Extended Ethernet<br>4. PoE Watchdog |
| PoE                     | n/a                                                                               | IEEE802.3af/at<br>Max output 30W per port<br>(60W Total)                           | IEEE802.3af/at/bt<br>Max output 90W per port<br>(180W Total)                        | n/a                                                                                             | IEEE802.3af/at<br>Max output 30W per port<br>(60W Total)                                   |
| Power Input             | 12-48VDC redundant                                                                |                                                                                    | 48-57VDC, redundant                                                                 | 12-58VDC, redundant                                                                             | 44-57VDC, redundant                                                                        |
| Max Power consumption   | 5W                                                                                | 65W                                                                                | 185W                                                                                | 5W                                                                                              | 65W                                                                                        |
| Operating Temperature   | -40°C ~ +75°C                                                                     |                                                                                    |                                                                                     |                                                                                                 |                                                                                            |
| Dimensions              | 95*70*30mm                                                                        |                                                                                    |                                                                                     | 85*85*30mm                                                                                      |                                                                                            |
| Mounting                | Din-Rail or Wallmount                                                             |                                                                                    |                                                                                     |                                                                                                 |                                                                                            |



| MODEL                   | SUG410-D1                                                                        | SUG410P-D1                                                                  | SUG420-D1                                                                        | SUG420P-D1                                                                  | SUG500-D5            | SUG500P-D5                                                           |
|-------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------|
| RJ45 ports and speed    | 4*10/100/1000Base-TX                                                             |                                                                             |                                                                                  |                                                                             | 5*10/100/1000Base-TX |                                                                      |
| Fiber ports and speed   | 1*1000Base-X SFP                                                                 |                                                                             | 2*1000Base-X SFP                                                                 |                                                                             | n/a                  |                                                                      |
| Fiber connectors        | As per SFP module (LC or SC)                                                     |                                                                             |                                                                                  |                                                                             | n/a                  |                                                                      |
| Max distance over fiber | As per SFP module (1/2/20km and optional more)                                   |                                                                             |                                                                                  |                                                                             | n/a                  |                                                                      |
| Switching Bandwidth     | 10Gbps                                                                           |                                                                             | 12Gbps                                                                           |                                                                             | 10Gbs                |                                                                      |
| DIP switches            | 1. Port isolation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression | 1. Port isolation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog | 1. Port isolation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression | 1. Port isolation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog | n/a                  |                                                                      |
| PoE                     | n/a                                                                              | IEEE802.3af/at<br>Max output 30W per port (120W Total)                      | n/a                                                                              | IEEE802.3af/at<br>Max output 30W per port (120W Total)                      | n/a                  | Ports 1-4:<br>IEEE802.3af/at<br>Max output 30W per port (120W Total) |
| Power Input             | 12-58VDC, redundant                                                              | 44-57VDC, redundant                                                         | 12-58VDC, redundant                                                              | 44-57VDC, redundant                                                         | 12-48VDC redundant   |                                                                      |
| Max Power consumption   | 5W                                                                               | 125W                                                                        | 5W                                                                               | 125W                                                                        | 5W                   | 125W                                                                 |
| Operating Temperature   | -40°C ~ +75°C                                                                    |                                                                             |                                                                                  |                                                                             |                      |                                                                      |
| Dimensions              | 130*98*30mm                                                                      |                                                                             |                                                                                  |                                                                             | 95*70*30mm           |                                                                      |
| Mounting                | Din-Rail or Wallmount                                                            |                                                                             |                                                                                  |                                                                             |                      |                                                                      |

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| MODEL                   | SUG500P90-D5                                                                       | SUG510-D1                                                                          | SUG510P-D1                                                                          | SUG800-D7                                                                           | SUG800P-D7                                                                          |
| RJ45 ports and speed    | 5*10/100/1000Base-TX                                                               |                                                                                    |                                                                                     | 8*10/100/1000Base-TX                                                                |                                                                                     |
| Fiber ports and speed   | n/a                                                                                | 1*1000Base-X SFP                                                                   |                                                                                     | n/a                                                                                 |                                                                                     |
| Fiber connectors        | n/a                                                                                | As per SFP module (LC or SC)                                                       |                                                                                     | n/a                                                                                 |                                                                                     |
| Max distance over fiber | n/a                                                                                | As per SFP module (1/2/20km and optional more)                                     |                                                                                     | n/a                                                                                 |                                                                                     |
| Switching Bandwidth     | 10Gbps                                                                             | 12Gbps                                                                             |                                                                                     | 16Gbps                                                                              |                                                                                     |
| DIP switches            | n/a                                                                                | 1. Port isolation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression   | 1. Port isolation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog         | 1. Port isolation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression    | 1. Port isolation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog         |
| PoE                     | In: 1*IEEE 802.3at/bt max 90W; Out: 4*IEEE 802.3af/at max 30W per port (75W Total) | n/a                                                                                | Ports 1-4: IEEE802.3af/at<br>Max output 30W per port (120W Total)                   | n/a                                                                                 | Ports 1-8: IEEE802.3af/at<br>Max output 30W per port (240W Total)                   |
| Power Input             | PoE, IEEE 802.3at/bt                                                               | 12-58VDC, redundant                                                                | 44-57VDC, redundant                                                                 | 12-58VDC, redundant                                                                 | 44-57VDC, redundant                                                                 |
| Max Power consumption   | 90W                                                                                | 5W                                                                                 | 125W                                                                                | 5W                                                                                  | 245W                                                                                |
| Operating Temperature   | -40°C ~ +75°C                                                                      |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Dimensions              | 95*70*30mm                                                                         | 130*98*30mm                                                                        |                                                                                     | 98*98*48mm                                                                          |                                                                                     |
| Mounting                | Din-Rail or Wallmount                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |



| MODEL                   | SUG820-D2                                                                        | SUG820P-D2                                                                  | SUG1620-D3                                                                         | SUG1620P-D3                                                                   |
|-------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| RJ45 ports and speed    | 8*10/100/1000Base-TX                                                             |                                                                             | 16*10/100/1000 Base-TX                                                             |                                                                               |
| Fiber ports and speed   | 2*1000Base-X SFP                                                                 |                                                                             |                                                                                    |                                                                               |
| Fiber connectors        | As per SFP module (LC or SC)                                                     |                                                                             |                                                                                    |                                                                               |
| Max distance over fiber | As per SFP module (1/2/20km and optional more)                                   |                                                                             |                                                                                    |                                                                               |
| Switching Bandwidth     | 20Gbps                                                                           |                                                                             | 36Gbps                                                                             |                                                                               |
| DIP switches            | 1. Port isolation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression | 1. Port isolation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog | 1. Link aggregation<br>2. Flow control<br>3. QoS<br>4. Broadcast storm suppression | 1. Link aggregation<br>2. 250m Extended Ethernet<br>3. QoS<br>4. PoE Watchdog |
| PoE                     | n/a                                                                              | Ports 1-8: IEEE802.3af/at<br>Max output 30W per port (240W Total)           | n/a                                                                                | Ports 1-16: IEEE802.3af/at<br>Max output 30W per port (240W Total)            |
| Power Input             | 12-58VDC, redundant                                                              | 44-57VDC, redundant                                                         | 12-58VDC, redundant                                                                | 44-57VDC, redundant                                                           |
| Max Power consumption   | 8W                                                                               | 248W                                                                        | 10W                                                                                | 250W                                                                          |
| Operating Temperature   | -40°C ~ +75°C                                                                    |                                                                             |                                                                                    |                                                                               |
| Dimensions              | 130*98*48mm                                                                      |                                                                             | 158*115*54mm                                                                       |                                                                               |
| Mounting                | Din-Rail or Wallmount                                                            |                                                                             |                                                                                    |                                                                               |



|                         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
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|                         |  |  |  |  |
| <b>MODEL</b>            | <b>SUF600CP-S8</b>                                                                | <b>SUF1010CP-S8</b>                                                                | <b>SUF1810CP-S9</b>                                                                 | <b>SUF2620CP-1U</b>                                                                 |
| RJ45 ports and speed    | 6*10/100Base-TX                                                                   | 8*10/100Base-TX<br>2*10/100/1000Base-TX                                            | 16*10/100Base-TX<br>2*10/100/1000Base-TX                                            | 24*10/100Base-TX<br>2*10/100/1000Base-TX                                            |
| Fiber ports and speed   | n/a                                                                               | 1*1GBase-X SFP                                                                     |                                                                                     | 2*1GBase-X SFP                                                                      |
| Fiber connectors        | n/a                                                                               | As per SFP module (LC or SC)                                                       |                                                                                     |                                                                                     |
| Max distance over fiber | n/a                                                                               | As per SFP module (1/2/20km or optional more)                                      |                                                                                     |                                                                                     |
| Switching Bandwidth     | 1.2Gbps                                                                           | 5.6Gbps                                                                            | 9.2Gbps                                                                             | 12.8Gbps                                                                            |
| DIP switches            | 250m Extended Ethernet                                                            |                                                                                    |                                                                                     |                                                                                     |
| PoE                     | Ports 1-4: IEEE802.3af/at<br>Max output 30W per port<br>(72W Total)               | Ports 1-8: IEEE802.3af/at<br>Max output 30W per port<br>(140W Total)               | Ports 1-16: IEEE802.3af/at<br>Max output 30W per port<br>(284W Total)               | Ports 1-24: IEEE802.3af/at<br>Max output 30W per port<br>(280W Total)               |
| Power Input             | 100~240VAC                                                                        |                                                                                    |                                                                                     |                                                                                     |
| Max Power consumption   | 78W (6W without PoE)                                                              | 150W (10W without PoE)                                                             | 300W (16W without PoE)                                                              | 300W (20W without PoE)                                                              |
| Operating Temperature   | 0°C ~ +50°C                                                                       |                                                                                    |                                                                                     |                                                                                     |
| Dimensions              | 45*140*202mm                                                                      |                                                                                    | 45*183*310mm                                                                        | 45*192*440mm                                                                        |
| Mounting                | Standalone or Wallmount                                                           |                                                                                    | Standalone or 19" Rack mountable                                                    | 19" Rack mountable, 1U height                                                       |
| Warranty                | 3 Years                                                                           |                                                                                    |                                                                                     |                                                                                     |



| MODEL                   | SUG420CP-S8                                                         | SUG1020CP-S8                                                         | SUG1810CP-S9                                                          | SUG2620CP-1U                                                          |
|-------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| RJ45 ports and speed    | 4*10/100/1000Base-TX                                                | 10*10/100/1000Base-TX                                                | 18*10/100/1000Base-TX                                                 | 26*10/100/1000Base-TX                                                 |
| Fiber ports and speed   | 2*1GBase-X SFP                                                      |                                                                      | 1*1GBase-X SFP                                                        | 2*1GBase-X SFP                                                        |
| Fiber connectors        | As per SFP module (LC or SC)                                        |                                                                      |                                                                       |                                                                       |
| Max distance over fiber | As per SFP module (1/2/20km or optional more)                       |                                                                      |                                                                       |                                                                       |
| Switching Bandwidth     | 12Gbps                                                              | 24Gbps                                                               | 38Gbps                                                                | 56Gbps                                                                |
| DIP switches            | n/a                                                                 | 250m Extended Ethernet                                               |                                                                       | n/a                                                                   |
| PoE                     | Ports 1-4: IEEE802.3af/at<br>Max output 30W per port<br>(68W Total) | Ports 1-8: IEEE802.3af/at<br>Max output 30W per port<br>(136W Total) | Ports 1-16: IEEE802.3af/at<br>Max output 30W per port<br>(280W Total) | Ports 1-24: IEEE802.3af/at<br>Max output 30W per port<br>(276W Total) |
| Power Input             | 100~240VAC                                                          |                                                                      |                                                                       |                                                                       |
| Max Power consumption   | 78W (10W without PoE)                                               | 150W (14W without PoE)                                               | 300W (20W without PoE)                                                | 300W (24W without PoE)                                                |
| Operating Temperature   | 0°C ~ +50°C                                                         |                                                                      |                                                                       |                                                                       |
| Dimensions              | 45*140*202mm                                                        |                                                                      | 45*183*310mm                                                          | 45*192*440mm                                                          |
| Mounting                | Standalone or Wallmount                                             |                                                                      | Standalone or 19" Rack mountable                                      | 19" Rack mountable, 1U height                                         |
| Warranty                | 3 Years                                                             |                                                                      |                                                                       |                                                                       |



| MODEL                   | SMG410-D1                                     | SMG410P-D1                                             | SMG420-D1           | SMG420P-D1                                             | SMG820-D2            | SMG820P-D2                                             |
|-------------------------|-----------------------------------------------|--------------------------------------------------------|---------------------|--------------------------------------------------------|----------------------|--------------------------------------------------------|
| RJ45 ports and speed    | 4*10/100/1000Base-TX                          |                                                        |                     |                                                        | 8*10/100/1000Base-TX |                                                        |
| Fiber ports and speed   | 1*1GBase-X SFP                                |                                                        | 2*1GBase-X SFP      |                                                        | 2*1/2.5GBase-X SFP   |                                                        |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                        |                     |                                                        |                      |                                                        |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                        |                     |                                                        |                      |                                                        |
| Switching Bandwidth     | 10Gbps                                        |                                                        | 12Gbps              |                                                        | 26Gbps               |                                                        |
| I/O ports               | n/a                                           |                                                        |                     |                                                        |                      |                                                        |
| PoE                     | n/a                                           | IEEE802.3af/at<br>Max output 30W per port (120W Total) | n/a                 | IEEE802.3af/at<br>Max output 30W per port (120W Total) | n/a                  | IEEE802.3af/at<br>Max output 30W per port (240W Total) |
| Power Input             | 12-58VDC, redundant                           | 44-57VDC, redundant                                    | 12-58VDC, redundant | 44-57VDC, redundant                                    | 12-58VDC, redundant  | 44-57VDC, redundant                                    |
| Max Power consumption   | 6W                                            | 126W                                                   | 6W                  | 126W                                                   | 10W                  | 250W                                                   |
| Operating Temperature   | -40°C ~ +75°C                                 |                                                        |                     |                                                        |                      |                                                        |
| Dimensions              | 130*98*30mm                                   |                                                        |                     |                                                        | 130*98*48mm          |                                                        |
| Mounting                | Din-Rail or Wallmount                         |                                                        |                     |                                                        |                      |                                                        |



| MODEL                   | SMG820-D3                                                                  | SMG820P-D3                                                                                          | SMG840-D3                                                                  | SMG840P-D3                                                                                          | SMG1620-D3                     | SMG1620P-D3                                                  |
|-------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------|
| RJ45 ports and speed    | 8*10/100/1000Base-TX                                                       |                                                                                                     |                                                                            |                                                                                                     | 16*10/100/1000 Base-TX         |                                                              |
| Fiber ports and speed   | 2*1/2.5GBase-X SFP                                                         |                                                                                                     | 4*1/2.5GBase-X SFP                                                         |                                                                                                     | 2*1/2.5GBase-X SFP             |                                                              |
| Fiber connectors        | As per SFP module (LC or SC)                                               |                                                                                                     |                                                                            |                                                                                                     |                                |                                                              |
| Max distance over fiber | As per SFP module (1/2/20km or optional more)                              |                                                                                                     |                                                                            |                                                                                                     |                                |                                                              |
| Switching Bandwidth     | 26Gbps                                                                     |                                                                                                     | 36Gbps                                                                     |                                                                                                     | 36Gbps                         |                                                              |
| I/O ports               | 1 * DI (Digital Input)<br>1 * Relay Output<br>1 * RS485<br>1 * 5VDC Output | n/a                                                                                                 | 1 * DI (Digital Input)<br>1 * Relay Output<br>1 * RS485<br>1 * 5VDC Output | n/a                                                                                                 | 1 * Digital alarm output relay |                                                              |
| PoE                     | n/a                                                                        | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-8: IEEE 802.3af/at, up to 30W per port | n/a                                                                        | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-8: IEEE 802.3af/at, up to 30W per port | n/a                            | Ports 1-16: IEEE 802.3af/at, up to 30W per port (240W Total) |
| Power Input             | 12-58VDC, redundant                                                        | 44-57VDC, redundant                                                                                 | 12-58VDC, redundant                                                        | 44-57VDC, redundant                                                                                 | 12-58VDC, redundant            | 44-57VDC, redundant                                          |
| Max Power consumption   | 10W                                                                        | 250W                                                                                                | 15W                                                                        | 255W                                                                                                | 15W                            | 255W                                                         |
| Operating Temperature   | -40°C ~ +75°C                                                              |                                                                                                     |                                                                            |                                                                                                     |                                |                                                              |
| Dimensions              | 158*115*54mm                                                               |                                                                                                     |                                                                            |                                                                                                     |                                |                                                              |
| Mounting                | Din-Rail or Wallmount                                                      |                                                                                                     |                                                                            |                                                                                                     |                                |                                                              |



## Managed L2+ Industrial Ethernet Switches



| MODEL                   | SMG2440-1U                                    | SMG2440P-1U                                                                                                          | SMG1648-1U                             | SMG1648P-1U                                                                                                          | SMG0208-1U                                 |
|-------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| RJ45 ports and speed    | 24*10/100/1000Base-TX                         |                                                                                                                      | 16*10/100/1000Base-TX                  |                                                                                                                      | Not supported (refer to combo ports)       |
| Fiber ports and speed   | 4*1/2.5GBase-X SFP                            |                                                                                                                      |                                        |                                                                                                                      | 16*100/1000Base-X SFP & 4*1/2.5GBase-X SFP |
| Combo ports and speed   | n/a                                           |                                                                                                                      | 8*10/100/1000Base-TX or 1000Base-X SFP |                                                                                                                      |                                            |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                                                                                      |                                        |                                                                                                                      |                                            |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                                                                                      |                                        |                                                                                                                      |                                            |
| Switching Bandwidth     | 68Gbps                                        |                                                                                                                      |                                        |                                                                                                                      |                                            |
| I/O ports               | n/a                                           |                                                                                                                      |                                        |                                                                                                                      |                                            |
| PoE                     | n/a                                           | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-24: IEEE 802.3af/at, up to 30W per port<br>(370W Total) | n/a                                    | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-16: IEEE 802.3af/at, up to 30W per port<br>(370W Total) | n/a                                        |
| Power Input             | 100~240VAC (optional DC), redundant           | 44-57VDC, redundant                                                                                                  | 100~240VAC (optional DC), redundant    | 44-57VDC, redundant                                                                                                  | 100~240VAC (optional DC), redundant        |
| Max Power consumption   | 30W                                           | 400W                                                                                                                 | 32W                                    | 400W                                                                                                                 | 36W                                        |
| Operating Temperature   | -40°C ~ +75°C                                 |                                                                                                                      |                                        |                                                                                                                      |                                            |
| Dimensions              | 44*280*440mm                                  |                                                                                                                      |                                        |                                                                                                                      |                                            |
| Mounting                | 19" Rack mountable, 1U height                 |                                                                                                                      |                                        |                                                                                                                      |                                            |



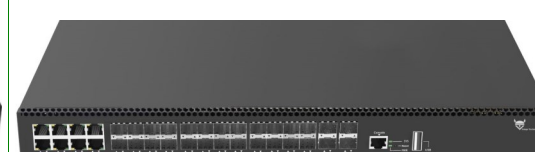
| MODEL                   | SMG840-D3-BP                                                  | SMG840P-D3-BP                                                                                                    | SMG840-D3-BP2                                                        | SMG840P-D3-BP2                                                                                                   |
|-------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| RJ45 ports and speed    | 8*10/100/1000Base-TX                                          |                                                                                                                  |                                                                      |                                                                                                                  |
| Fiber ports and speed   | 4*1/2.5GBase-X SFP<br>1*Single LC (WDM) Bypass channel        |                                                                                                                  | 4*1/2.5GBase-X SFP<br>2*Single LC (WDM) or 1*Dual LC Bypass channels |                                                                                                                  |
| Fiber connectors        | 9-12 ports as per SFP module (LC or SC)<br>Bypass channels LC |                                                                                                                  |                                                                      |                                                                                                                  |
| Max distance over fiber | As per SFP module (1/2/20km or optional more)                 |                                                                                                                  |                                                                      |                                                                                                                  |
| Switching Bandwidth     | 36Gbps                                                        |                                                                                                                  |                                                                      |                                                                                                                  |
| I/O ports               | n/a                                                           |                                                                                                                  |                                                                      |                                                                                                                  |
| PoE                     | n/a                                                           | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-8: IEEE 802.3af/at, up to 30W per port (240W Total) | n/a                                                                  | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-8: IEEE 802.3af/at, up to 30W per port (240W Total) |
| Power Input             | 24-58VDC, redundant                                           | 44-57VDC, redundant                                                                                              | 24-58VDC, redundant                                                  | 44-57VDC, redundant                                                                                              |
| Max Power consumption   | 15W                                                           | 255W                                                                                                             | 15W                                                                  | 255W                                                                                                             |
| Operating Temperature   | -40°C ~ +75°C                                                 |                                                                                                                  |                                                                      |                                                                                                                  |
| Dimensions              | 158*115*54mm                                                  |                                                                                                                  |                                                                      |                                                                                                                  |
| Mounting                | Din-Rail or Wallmount                                         |                                                                                                                  |                                                                      |                                                                                                                  |



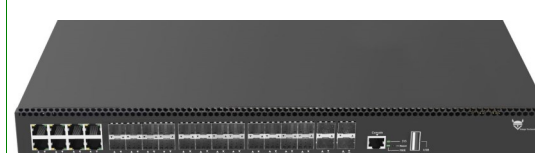
| MODEL                   | SMX820-D3                                     | SMX820P-D3                                                  | SMX840-D3              | SMX840P-D3                                                  | SMX1620-D3                     | SMX1620P-D3                                                  |
|-------------------------|-----------------------------------------------|-------------------------------------------------------------|------------------------|-------------------------------------------------------------|--------------------------------|--------------------------------------------------------------|
| RJ45 ports and speed    | 8*10/100/1000Base-TX                          |                                                             |                        |                                                             | 16*10/100/1000 Base-TX         |                                                              |
| Fiber ports and speed   | 2*1/2.5/10GBase-X SFP+                        |                                                             | 4*1/2.5/10GBase-X SFP+ |                                                             | 2*1/2.5/10GBase-X SFP+         |                                                              |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                             |                        |                                                             |                                |                                                              |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                             |                        |                                                             |                                |                                                              |
| Switching Bandwidth     | 56Gbps                                        |                                                             | 96Gbps                 |                                                             | 72Gbps                         |                                                              |
| I/O ports               | n/a                                           |                                                             |                        |                                                             | 1 * Digital alarm output relay |                                                              |
| PoE                     | n/a                                           | Ports 1-8: IEEE 802.3af/at, up to 30W per port (240W Total) | n/a                    | Ports 1-8: IEEE 802.3af/at, up to 30W per port (240W Total) | n/a                            | Ports 1-16: IEEE 802.3af/at, up to 30W per port (240W Total) |
| Power Input             | 12-58VDC, redundant                           | 44-57VDC, redundant                                         | 12-58VDC, redundant    | 44-57VDC, redundant                                         | 12-58VDC, redundant            | 44-57VDC, redundant                                          |
| Max Power consumption   | 12W                                           | 252W                                                        | 18W                    | 25W                                                         | 18W                            | 258W                                                         |
| Operating Temperature   | -40°C ~ +75°C                                 |                                                             |                        |                                                             |                                |                                                              |
| Dimensions              | 158*115*54mm                                  |                                                             |                        |                                                             |                                |                                                              |
| Mounting                | Din-Rail or Wallmount                         |                                                             |                        |                                                             |                                |                                                              |



| MODEL                   | SMX2440-1U                                    | SMX2440P-1U                                                                                                          | SMX1648-1U                             | SMX1648P-1U                                                                                                          | SMX0208-1U                                     |
|-------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| RJ45 ports and speed    | 24*10/100/1000Base-TX                         |                                                                                                                      | 16*10/100/1000Base-TX                  |                                                                                                                      | Not supported (refer to combo ports)           |
| Fiber ports and speed   | 4*1/2.5/10GBase-X SFP+                        |                                                                                                                      |                                        |                                                                                                                      | 16*100/1000Base-X SFP & 4*1/2.5/10GBase-X SFP+ |
| Combo ports and speed   | n/a                                           |                                                                                                                      | 8*10/100/1000Base-TX or 1000Base-X SFP |                                                                                                                      |                                                |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                                                                                      |                                        |                                                                                                                      |                                                |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                                                                                      |                                        |                                                                                                                      |                                                |
| Switching Bandwidth     | 128Gbps                                       |                                                                                                                      |                                        |                                                                                                                      |                                                |
| I/O ports               | n/a                                           |                                                                                                                      |                                        |                                                                                                                      |                                                |
| PoE                     | n/a                                           | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-24: IEEE 802.3af/at, up to 30W per port<br>(370W Total) | n/a                                    | Ports 1-2: IEEE 802.3af/at/bt, up to 90W per port<br>Ports 3-16: IEEE 802.3af/at, up to 30W per port<br>(370W Total) | n/a                                            |
| Power Input             | 100~240VAC (optional DC), redundant           | 44-57VDC, redundant                                                                                                  | 100~240VAC (optional DC), redundant    | 44-57VDC, redundant                                                                                                  | 100~240VAC (optional DC), redundant            |
| Max Power consumption   | 32W                                           | 400W                                                                                                                 | 36W                                    | 410W                                                                                                                 | 40W                                            |
| Operating Temperature   | -40°C ~ +75°C                                 |                                                                                                                      |                                        |                                                                                                                      |                                                |
| Dimensions              | 44*280*440mm                                  |                                                                                                                      |                                        |                                                                                                                      |                                                |
| Mounting                | 19" Rack mountable, 1U height                 |                                                                                                                      |                                        |                                                                                                                      |                                                |



| MODEL                   | SMG2440C-1U                                   | SMG2440CP-1U                                                          | SMG1648C-1U                            | SMG1648CP-1U                                                          | SMG0208C-1U                                |
|-------------------------|-----------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------|--------------------------------------------|
| RJ45 ports and speed    | 24*10/100/1000Base-TX                         |                                                                       | 16*10/100/1000Base-TX                  |                                                                       | Not supported (refer to combo ports)       |
| Fiber ports and speed   | 4*1/2.5GBase-X SFP                            |                                                                       |                                        |                                                                       | 16*100/1000Base-X SFP & 4*1/2.5GBase-X SFP |
| Combo ports and speed   | n/a                                           |                                                                       | 8*10/100/1000Base-TX or 1000Base-X SFP |                                                                       |                                            |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                                       |                                        |                                                                       |                                            |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                                       |                                        |                                                                       |                                            |
| Switching Bandwidth     | 68Gbps                                        |                                                                       |                                        |                                                                       |                                            |
| I/O ports               | n/a                                           |                                                                       |                                        |                                                                       |                                            |
| PoE                     | n/a                                           | Ports 1-24:<br>IEEE802.3af/at<br>Max output 30W per port (250W Total) | n/a                                    | Ports 1-16:<br>IEEE802.3af/at<br>Max output 30W per port (370W Total) | n/a                                        |
| Power Input             | 100~240VAC                                    |                                                                       |                                        |                                                                       |                                            |
| Max Power consumption   | 24W                                           | 280W                                                                  | 40W                                    | 440W                                                                  | 40W                                        |
| Operating Temperature   | 0°C ~ +50°C                                   |                                                                       |                                        |                                                                       |                                            |
| Dimensions              | 44*180*440mm                                  |                                                                       | 44*245*440mm                           |                                                                       |                                            |
| Mounting                | 19" Rack mountable, 1U height                 |                                                                       |                                        |                                                                       |                                            |



| MODEL                   | SMX2440C-1U                                   | SMX2440CP-1U                                                          | SMX1648C-1U                            | SMX1648CP-1U                                                          | SMX0208C-1U                                    |
|-------------------------|-----------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------|
| RJ45 ports and speed    | 24*10/100/1000Base-TX                         |                                                                       | 16*10/100/1000Base-TX                  |                                                                       | Not supported (refer to combo ports)           |
| Fiber ports and speed   | 4*1/2.5/10GBase-X SFP+                        |                                                                       |                                        |                                                                       | 16*100/1000Base-X SFP & 4*1/2.5/10GBase-X SFP+ |
| Combo ports and speed   | n/a                                           |                                                                       | 8*10/100/1000Base-TX or 1000Base-X SFP |                                                                       |                                                |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                                       |                                        |                                                                       |                                                |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                                       |                                        |                                                                       |                                                |
| Switching Bandwidth     | 128Gbps                                       |                                                                       |                                        |                                                                       |                                                |
| I/O ports               | n/a                                           |                                                                       |                                        |                                                                       |                                                |
| PoE                     | n/a                                           | Ports 1-24:<br>IEEE802.3af/at<br>Max output 30W per port (250W Total) | n/a                                    | Ports 1-16:<br>IEEE802.3af/at<br>Max output 30W per port (370W Total) | n/a                                            |
| Power Input             | 100~240VAC                                    |                                                                       |                                        |                                                                       |                                                |
| Max Power consumption   | 24W                                           | 280W                                                                  | 40W                                    | 440W                                                                  | 40W                                            |
| Operating Temperature   | 0°C ~ +50°C                                   |                                                                       |                                        |                                                                       |                                                |
| Dimensions              | 44*180*440mm                                  |                                                                       | 44*245*440mm                           |                                                                       |                                                |
| Mounting                | 19" Rack mountable, 1U height                 |                                                                       |                                        |                                                                       |                                                |



| MODEL                   | SMX4840C-1U                                   | SMX4840CP-1U                                                       | SMX0520C-1U                                    |
|-------------------------|-----------------------------------------------|--------------------------------------------------------------------|------------------------------------------------|
| RJ45 ports and speed    | 48*10/100/1000Base-TX                         |                                                                    | n/a                                            |
| Fiber ports and speed   | 4*1/2.5/10GBase-X SFP+                        |                                                                    | 48*100/1000Base-X SFP & 4*1/2.5/10GBase-X SFP+ |
| Combo ports and speed   | n/a                                           |                                                                    |                                                |
| Fiber connectors        | As per SFP module (LC or SC)                  |                                                                    |                                                |
| Max distance over fiber | As per SFP module (1/2/20km or optional more) |                                                                    |                                                |
| Switching Bandwidth     | 336Gbps                                       |                                                                    |                                                |
| I/O ports               | n/a                                           |                                                                    |                                                |
| PoE                     | n/a                                           | Ports 1-48: IEEE802.3af/at<br>Max output 30W per port (370W Total) | n/a                                            |
| Power Input             | 100~240VAC                                    |                                                                    |                                                |
| Max Power consumption   | 40W                                           | 410W                                                               | 60W                                            |
| Operating Temperature   | 0°C ~ +50°C                                   |                                                                    |                                                |
| Dimensions              | 44*300*440mm                                  |                                                                    |                                                |
| Mounting                | 19" Rack mountable, 1U height                 |                                                                    |                                                |



|                       |                                                                                         |                                                                                    |                                                                                         |                                                                                     |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       |        |  |      |  |  |
| MODEL                 | INGP-D5                                                                                 | INGP90-D5                                                                          | SPGP90-D5-5                                                                             | SPGP90-D5-12                                                                        | SPGP90-D5-24                                                                        |
| Type                  | Injector                                                                                |                                                                                    | Splitter                                                                                |                                                                                     |                                                                                     |
| RJ45 ports and speed  | 1*10/100/1000Base-TX (in-Ethernet only)<br>1*10/100/1000Base-TX (out-Ethernet with PoE) |                                                                                    | 1*10/100/1000Base-TX (in-Ethernet with PoE)<br>1*10/100/1000Base-TX (out-Ethernet only) |                                                                                     |                                                                                     |
| PoE                   | PoE/PSE IEEE802.3af/at<br>Max output 30W                                                | PoE/PSE IEEE802.3af/at/bt<br>Max output 90W                                        | PoE/PD type IEEE802.3af/at/bt (as input only)                                           |                                                                                     |                                                                                     |
| Power Input           | 12-48VDC                                                                                | 12-48VDC<br>For more than 60W PoE output, min 24VDC                                | PoE, IEEE 802.3af/at/bt                                                                 |                                                                                     |                                                                                     |
| Power Output          | n/a                                                                                     |                                                                                    | 5V                                                                                      | 12V                                                                                 | 24V                                                                                 |
| Max Power consumption | 35W                                                                                     | 95W                                                                                | 90W (from PoE/PSE)                                                                      |                                                                                     |                                                                                     |
| Operating Temperature | -40°C ~ +75°C                                                                           |                                                                                    |                                                                                         |                                                                                     |                                                                                     |
| Dimensions            | 95*70*30mm                                                                              |                                                                                    |                                                                                         |                                                                                     |                                                                                     |
| Mounting              | Din-Rail or Wallmount                                                                   |                                                                                    |                                                                                         |                                                                                     |                                                                                     |
| Warranty              | 5 years                                                                                 |                                                                                    |                                                                                         |                                                                                     |                                                                                     |



|                                |                                                                                                  |                                                                                                                 |                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                |                 |                              |                                                                                                                       |
| MODEL                          | SUG500P90-D5                                                                                     | SUG300P90-S11                                                                                                   |                                                                                                                       |
| RJ45 ports and speed           | 1*10/100/1000Base-TX (IN)<br>4*10/100/1000 Base-TX (OUT)                                         | 1*10/100/1000 Base-TX (IN)<br>2*10/100/1000 Base-TX (OUT)                                                       |                                                                                                                       |
| Fiber ports and speed          | n/a                                                                                              |                                                                                                                 |                                                                                                                       |
| Switching Bandwidth            | 10Gbps                                                                                           | 6Gbps                                                                                                           |                                                                                                                       |
| PoE                            | Input: 1*IEEE 802.3at/bt max 95W<br>Output: 4*IEEE 802.3af/at max 30W per port (up to 75W Total) | Input: 1*IEEE 802.3at/bt max 90W<br>Output: 2*IEEE 802.3af/at/bt max 60W per port (up to 65W Total)             |                                                                                                                       |
| Max reference total PoE output | With 95W PoE input:<br>1unit @100meters - up to 75W<br>1unit @200meters - up to 65W              | With 30W PoE input:<br>1unit @200meters - up to 19W<br>2units @300meters - up to 12W<br>3units @400meters - N/A | With 90W PoE input:<br>1unit @200meters - up to 52W<br>2units @300meters - up to 38W<br>3units @400meters - up to 23W |
| Operating Temperature          | -40°C ~ +75°C                                                                                    |                                                                                                                 |                                                                                                                       |
| Enclosure                      | IP40, aluminium                                                                                  | IP67 weatherproof, aluminium                                                                                    |                                                                                                                       |
| Dimensions                     | 95*70*30mm                                                                                       | 42*195*75mm                                                                                                     |                                                                                                                       |
| Mounting                       | Din-Rail or Wallmount                                                                            | Desktop or Wallmount                                                                                            |                                                                                                                       |



| MODEL                 | SFP-FLC-MM                                                                           | SFP-FLC-MMA      | SFP-FLC-MMB      | SFP-FLC-SM  | SFP-FLC-SMA      | SFP-FLC-SMB      | SFP-FSC-MMA      | SFP-FSC-MMB      | SFP-FSC-SMA      | SFP-FSC-SMB      |
|-----------------------|--------------------------------------------------------------------------------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Speed                 | 100Mbps (155M)                                                                       |                  |                  |             |                  |                  |                  |                  |                  |                  |
| Fiber type            | Multi Mode                                                                           |                  |                  | Single Mode |                  |                  | Multi Mode       |                  | Single Mode      |                  |
| Fiber count           | 2                                                                                    | 1                |                  | 2           | 1                |                  | 1                |                  |                  |                  |
| Wavelength, nm        | 1310                                                                                 | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310        | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310TX<br>1550RX | 1550TX<br>1310RX |
| Connector             | LC                                                                                   |                  |                  |             |                  |                  | SC               |                  |                  |                  |
| Max distance          | 2km                                                                                  |                  |                  | 20km        |                  |                  | 2km              |                  | 20km             |                  |
| Standards             | MSA (Multi-Source Agreement) compliant / DDM (Digital Diagnostic Monitoring) support |                  |                  |             |                  |                  |                  |                  |                  |                  |
| Operating temperature | -40°C ~ +85°C                                                                        |                  |                  |             |                  |                  |                  |                  |                  |                  |



| MODEL                 | SFP-GLC-MM                                                                           | SFP-GLC-MMA      | SFP-GLC-MMB      | SFP-GLC-SM  | SFP-GLC-SMA      | SFP-GLC-SMB      | SFP-GSC-MMA      | SFP-GSC-MMB      | SFP-GSC-SMA      | SFP-GSC-SMB      | SFP-GRJ-45      |
|-----------------------|--------------------------------------------------------------------------------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| Speed                 | 1Gbps (1.25G)                                                                        |                  |                  |             |                  |                  |                  |                  |                  |                  | 10/100/1000Mbps |
| Fiber type            | Multi Mode                                                                           |                  |                  | Single Mode |                  |                  | Multi Mode       |                  | Single Mode      |                  | -               |
| Fiber count           | 2                                                                                    | 1                |                  | 2           | 1                |                  | 1                |                  |                  |                  | -               |
| Wavelength, nm        | 1310                                                                                 | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310        | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310TX<br>1550RX | 1550TX<br>1310RX | 1310TX<br>1550RX | 1550TX<br>1310RX | -               |
| Connector             | LC                                                                                   |                  |                  |             |                  |                  | SC               |                  |                  |                  | RJ45            |
| Max distance          | 1km                                                                                  |                  |                  | 20km        |                  |                  | 1km              |                  | 20km             |                  | 100m            |
| Standards             | MSA (Multi-Source Agreement) compliant / DDM (Digital Diagnostic Monitoring) support |                  |                  |             |                  |                  |                  |                  |                  |                  |                 |
| Operating temperature | -40°C ~ +85°C                                                                        |                  |                  |             |                  |                  |                  |                  |                  |                  |                 |



| MODEL                 | SFP-XLC-MM                                                                           | SFP-XLC-SM  | SFP-XLC-SMA      | SFP-XLC-SMB      |
|-----------------------|--------------------------------------------------------------------------------------|-------------|------------------|------------------|
| Speed                 | 10Gbps                                                                               |             |                  |                  |
| Fiber type            | Multi Mode                                                                           | Single Mode |                  |                  |
| Fiber count           | 2                                                                                    |             | 1                |                  |
| Wavelength, nm        | 850                                                                                  | 1310        | 1270TX<br>1330RX | 1330TX<br>1270RX |
| Connector             | LC                                                                                   |             |                  |                  |
| Max distance          | 300m                                                                                 | 10km        | 20km             |                  |
| Standards             | MSA (Multi-Source Agreement) compliant / DDM (Digital Diagnostic Monitoring) support |             |                  |                  |
| Operating temperature | -40°C ~ +85°C                                                                        |             |                  |                  |



| MODEL                 | MDR-10-12                   | MDR-40-48   | NDR-75-48                   | NDR-120-48       | NDR-240-48       | NDR-480-48         |
|-----------------------|-----------------------------|-------------|-----------------------------|------------------|------------------|--------------------|
| Input Voltage         | 85 ~ 264VAC<br>120 - 370VDC |             | 90 ~ 264VAC<br>127 - 370VDC |                  |                  |                    |
| Output Voltage        | 12VDC                       | 48 - 56VDC  | 48 - 55VDC                  |                  |                  |                    |
| Rated Output Current  | 0.84A                       | 0.83A       | 1.6A                        | 2.5A             | 5A               | 10A                |
| Rated Output Power    | 10W                         | 40W         | 75W                         | 120W             | 240W             | 480W               |
| Dimensions            | 22.5*90*100mm               | 40*90*100mm | 32*125.2*102mm              | 40*125.2*113.5mm | 63*125.2*113.5mm | 85.5*125.2*128.5mm |
| Weight                | 0.15kg                      | 0.3kg       | 0.51kg                      | 0.6kg            | 1kg              | 1.5kg              |
| Operating Temperature | -20°C ~ +70°C               |             |                             |                  |                  |                    |
| Mounting              | Din-Rail                    |             |                             |                  |                  |                    |



## Racks & Chassis

|                                    |          |  |  |
|------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| MODEL                              | RM-D1                                                                                     | RM-S6                                                                              | RM-C1                                                                               |
| Compatible devices                 | All our Din-Rail devices (Media Converters, Switches, PoE Injectors, Power supplies, etc) | MCF-S6-xyz, MCG-S6-xyz                                                             | MCF-C1-xyz, MCG-C1-xyz                                                              |
| Max number of devices              | Usable Din-Rail length 414mm, up to 8kg load                                              | 14                                                                                 | 16                                                                                  |
| Power Input                        | n/a                                                                                       | 100~265VAC, redundant                                                              | 110~240VAC, single                                                                  |
| Number of installed power supplies | n/a                                                                                       | 2                                                                                  |                                                                                     |
| Max Power consumption              | n/a                                                                                       | 42W                                                                                |                                                                                     |
| Operating Temperature              | -40°C ~ +85°C                                                                             | -10°C ~ +60°C                                                                      |                                                                                     |
| Dimensions                         | 92*250*483mm                                                                              | 90*215*483mm                                                                       | 90*340*483mm (with handles)                                                         |
| Weight                             | ~1kg                                                                                      | ~4.5kg                                                                             | ~6.5kg                                                                              |
| Mounting                           | 19" Rack Mountable, 2U height                                                             |                                                                                    |                                                                                     |

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