



ikings Technology

SUG500P90 series

PoE Powered Unmanaged Industrial Switch

KEY FEATURES

- 5*10/100/1000Base-TX ports
- Powered by PoE, accepts up to 90W power input
- Acts as PoE Power Sourcing Equipment (PoE/PSE) with total up to 75W output
- Electric up to 8KV surge protection
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Compact metal case, no fan design
- DIN-Rail or Wallmount
- 3 years warranty



INTRODUCTION

The SUG500P90 series Industrial grade Unmanaged Ethernet Switch is unique design, PoE Powered Device (PoE/PD) and can be powered from PoE, up to 90W input. Even more, it also acts as PoE Power Sourcing Equipment (PoE/PSE) and can power 4 PoE/PD devices up to 30W per port with total PoE budget of up to 75W. It is a perfect solution where extra IP PoE cameras or other network devices needs to be added without running a power or separate network cables. Housed in rugged metal Din-rail or wall-mountable IP40 enclosure, no fan design with extreme temperatures operation, makes those switches a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG500P90-D5
Ports	
RJ45 ports and speed	5 * 10/100/1000Base-TX
Ethernet	
Processing type	Store and Forward
Max Packet Length	9KB
Switching Bandwidth	10Gbps
Packet Buffer	1Mb
MAC Address Table	4K
PoE	Input: 1 * IEEE 802.3at/bt max 90W Output: 4 * IEEE 802.3af/at max 30W per port (up to 75W Total)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab

Model	SUG500P90-D5
Environmental	
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	0 ~ 90% non-condensing
MTBF	480.000h
Electrical and Physical	
Power	PoE, IEEE 802.3at/bt max 90W
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	95 * 70 * 30mm
Weight	~300g
Mounting	Din-rail / Wallmount
Certifications	
Standards	Surge protection for Ethernet ports: 6KV (EN 61000-4-5) Vibration: IEC 60068-2-6:2007 Shock: IEC 60068-2-27:2008 Free fall: IEC 60068-2-32:1975 CE 2014/30/EU EMC, EN 55032:2015/A11:2020, EN 55035:2017/A11:2020 EN 61000-3-2:2019/A2:2024, EN 61000-3-3:2013/A2:2021/AC:2022-01 EN 61000-4-2:2009, EN 61000-4-3:2020, EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017, EN 61000-4-6:2023 CE 2014/35/EU LVD, EN IEC 62368-1:2024 FCC Part 15, Subpart B:2016, ANSI C63.4:2014 RoHS 2011/65/EU, (EU) 2015/863, (EU) 2017/2102

ORDERING INFORMATION

Model name	Description
SUG500P90-D5	PoE powered Unmanaged Industrial Switch with 5*10/100/1000Base-TX RJ45 ports, max 90W PoE in / 75W PoE out, Din-Rail

OTHER

