



ikings Technology

SUG300P90-S11

Weatherproof PoE Extender

KEY FEATURES

- Ethernet & PoE extension
- IP67 Weatherproof aluminum enclosure
- 1*10/100/1000Base-TX in & 2*10/100/1000Base-TX out
- IEEE802.3af/at/bt compliant, up to 90W PoE++
- Up to 3 units cascade connection
- Industrial, no fan design
- Electric up to 6kV surge protection
- No external power input required
- 5 years warranty



INTRODUCTION

The SUG300P90-S11 Weatherproof PoE Extenders are designed to extend Ethernet & PoE by extra 100meters. Up to 3 units can be connected in the cascade, which allows a total of up to 400meters Ethernet link over standard Ethernet cables. For powering, unit acts as PoE/PD type device and accepts up to 90W PoE++ power input. For it's remaining 2 Ethernet ports output, unit acts as PoE/PSE type device and can power up other PoE/PD type devices with a total of up to 65W PoE power. All ports supports high speed gigabit Ethernet. Housed in rugged, IP67 rated weatherproof aluminum enclosure, no fan design with extreme temperatures operation, makes those PoE Extenders a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	SUG300P90-S11	
Ports		
RJ45 ports and speed	1 * 10/100/1000Base-TX (In) 2 * 10/100/1000Base-TX (Out)	
Ethernet		
Processing type	Store and Forward	
Max Packet Length	10KB	
Switching Bandwidth	6Gbps	
Packet forwarding	4.4Mpps	
MAC Address Table	2K	
PoE	Input: 1 * IEEE 802.3at/bt max 90W Output: 2 * IEEE 802.3af/at/bt max 60W per port (up to 65W Total)	
Max reference total PoE output	With 30W PoE input: 1unit @200meters - up to 19W 2units @300meters - up to 12W 3units @400meters - N/A	With 90W PoE input: 1unit @200meters - up to 52W 2units @300meters - up to 38W 3units @400meters - up to 23W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab	

Model	SUG300P90-S11
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 Input	PoE, IEEE 802.3at/bt max 90W
PoE Pins	1/2(+); 3/6(-); 4/5(+); 7/8 (-)
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	42 * 195 * 75mm
Weight	~500g
Mounting	Desktop / Wallmount
Enclosure	IP67, aluminum
Certification	
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
SUG300P90-S11	Weatherproof Industrial PoE++ Extender, 1*10/100/1000Base-TX RJ45 in and 2*10/100/1000Base-TX RJ45 out