



ikings Technology

SPGP90-D5 series

Industrial Gigabit PoE++ Splitter

KEY FEATURES

- Supports 10/100/1000Base-TX Ethernet
- Supports IEEE802.3af/at/bt PoE PSE
- 5-36VDC output with rotary voltage adjustment
- Up to 70W DC power output
- Integrated LED Display for monitoring temperature, voltage, current and power
- Inbuilt surge protection
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- IP40 Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The SPGP90-D5 series Industrial-Grade Gigabit PoE++ Splitters are designed to separate power and Ethernet data signals from a PoE-enabled Ethernet connection. The splitters are compatible with IEEE 802.3af (15.4 W), IEEE 802.3at (30 W), and IEEE 802.3bt (up to 90W) PoE PSEs (Power Sourcing Equipment). Splitter features two universal 5-36VDC adjustable outputs, with output voltage conveniently adjusted via an external rotary control. An integrated LED display provides real-time monitoring of temperature (°C), voltage (V), current (A) and power (W). All models support 10/100/1000Mbps Ethernet connectivity. Housed in a rugged IP40-rated metal enclosure with DIN-rail or wall-mounting options, the fanless design enables reliable operation across a wide temperature range. These features make the SPGP90-D5 series an ideal solution for demanding applications such as security and surveillance, transportation, airports, industrial networking, and military environments.

SPECIFICATIONS

Model	SPGP90-D5
Ports	
RJ45 ports and speed	1 * 10/100/1000Base-TX (in - Ethernet with PoE) 1 * 10/100/1000Base-TX (out - Ethernet only)
Ethernet	
Processing type	Forward
PoE	IEEE802.3af/at/bt (as input only)
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab

Model	SPGP90-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 Input	PoE, IEEE802.3af/at/bt
Power Output	2 * 5-36VDC with rotary voltage adjustment, screw terminal block
Reference Max Total Power Output at DC terminals*	@5VDC - 50W (10A), @12VDC - 70W (5.8A) @24VDC - 70W (2.9A), @36VDC - 70W (1.9A)
Cooling	Natural cooling, no fan design
Dimensions (H * D * W)	95 * 70 * 30mm
Weight	~250g
Mounting	Din-rail / Wallmount
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

*With IEEE802.3bt (90W) PoE PSE

ORDERING INFORMATION

Model name	Description
SPGP90-D5	Industrial Gigabit PoE Splitter, 2*10/100/1000Base-TX RJ45, 2*5-36VDC outputs, Din-Rail