

# SPRO®

## SWITCH-8P-1K

8 PORT POE SWITCH  
Plug-n-play connectivity



**250**  
meters

POE Transmission

**96**  
watts

Power Budget



10/100/1000 Mbps



Metal Case



2 Uplink Ports

### Key Features:

- Intelligent PoE
- 8-pin assignment PoE power supply
- Long distance PoE
- PoE watchdog
- BT 90W
- All-giga ports
- Wide working temperature

### Hardware

<b>Model No.</b>	SWITCH-8P-1K
<b>Data Transmission Port</b>	Port 1–8: 8 × RJ-45/100/1000 Mbps (PoE) Port 9-10: 2 × RJ-45 10/100/1000 Mbps (Uplink)
<b>Power Supply</b>	48 V - 57 V DC
<b>Operating Temperature</b>	-10 °C to +55 °C (+14°F to +131°F)
<b>Operating Humidity</b>	5% – 95% (RH)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4°F to +158°F)
<b>Storage Humidity</b>	5% – 95%(RH)
<b>Power Consumption</b>	Idling: 3 W; Full load: 96 W

### Performance

<b>Capacity</b>	20 Gbps
<b>Packet Forwarding Rate</b>	14.88 Mpps
<b>Packet Buffer Memory</b>	1.5Mbit
<b>MAC Table Size</b>	4K
<b>Communication Standard</b>	IEEE802.3/IEEE802.3u/IEEE 802.3ab/IEEE802.3x

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## PoE

<b>PoE Standard</b>	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
<b>PoE Power</b>	96 W
<b>Power Consumption Management</b>	Yes
<b>PoE Pin Assignment</b>	1,2,4,5(V+),3,6,7,8(V-)
<b>Long Distance PoE</b>	250m long distance PoE transmission

## General

<b>Statics Protection</b>	Air discharge: 8 kV - Contact discharge: 6 kV
<b>Thunder-proof</b>	Common mode: 4 kV - Differential mode: 2 kV
<b>Net Weight</b>	0.50 kg (1.10 lb)
<b>Gross Weight</b>	1.32 kg (2.91 lb)
<b>Product Dimensions</b>	190 mm × 100 mm × 30 mm (7.48" × 3.94" × 1.18")

## Transmission Performance:

Switch power supply voltage 53V. CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m

Cable (m)	Low Capacity (W)	Bandwidth (Mbps)
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### IEEE802.3bt 90 W

100	71.3	100
150	62	10
200	51	10
250	40	10

### Hi-PoE 60W

100	53	100
150	50	10
200	47	10
250	37	10

### IEEE802.3at 30 W

100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

Note: Data from this table is for reference only . The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.