

At **SIL4 Systems** our Mission and Relentless Commitment is to **Safety** and **High Reliability**

## 8 PORT INDUSTRIAL UNMANAGED GIGABIT PoE+ EHTERNET SWITCH



- Compliant with EN50155
- 6x 10/100T(x) M12 connector with IEEE 802.3at PoE+
- 2x 10/100/1000T(x) M12 connector with relay bypass
- Support Bypass function for non-stop communication even when no power exists
- Built for harsh environments and wide temperature range application
- IP54 housing
- Isolated redundant PoE power 190W



## Specifications

### Technology

Standards	IEEE 802.3 10BaseT
	IEEE 9-2.3u 100BaseTX
Standards	IEEE 802.3ab 1000BaseT
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at PoE+

**Processing Type** Store and Forward

### Switch Properties

**Switch Fabric** 5.6Gbps

**Priority Queues** -

**MAC Table Size** 8k

**Packet Buffer** 4Mbits

### Interface

**Network Connector** 6x 10/100T(x) M12 Female D-coded 4-pole with PoE+, 2x 10/100/1000T(x) M12 Female X-coded 8-pole, auto negotiation speed duplex mode, auto MDI/MDI-X

**LED Indicators** Per unit: PWR1, PWR2, Status Ports: Link/Active with highest speed (Green), low speed (Amber) PoE: Output Power

### Power Requirements

Operation Voltage	LV	9V~36V Operational; 24V Normal
	MV	16.5~75V Operational; 48V Normal
	HV	43V~160V Operational; 72V~110V Normal
Connection	M12 Male S-coded 4-pole	

**Power Consumption** 15W without PDs' consumption

**PoE Power Budget** Max. 30W per PoE port. Max. total output power for PD: 190W@ 24V input

**Protection** Overload Current Protected, Reverse Polarity Protected

### Mechanical Construction

Enclosure	SECC
Protection Class	IP54
Dimensions	143x209x77 mm (LxWxH)
Weight	1.20 kg
Mounting	Wall Mounting Kits, Optional DIN-Rail Mounting

### Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
EMS	IEC60068-2-32
Free Fall	IEC60068-2-32
Shock & Vibration	IEC61373
Green	RoHS Compliant
Certifications	EN50155; EN45545-2
MTBF	>100,000 hours
Warranty	5 years
<b>Environmental Limits</b>	
Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (Non-Condensing)

Dimensions (unit = mm)

