

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

10 PORT M12 INDUSTRIAL UNMANAGED GIGABIT EHTERNET SWITCH



Features

- Compliant with EN50155
- 8x 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
- IP40/IP54(optional) housing



Specifications

Technology

Standards	IEEE 802.3 10BaseT IEEE 9-2.3u 100BaseTX IEEE 802.3ab 1000BaseT
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Processing Type Store and Forward

Switch Properties

Switch Fabric 5.6Gbps

Priority Queues -

MAC Table Size 8k

Packet Buffer 4Mbits

Interface

Network Connector 8x 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)

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
Protection	Overload Current Protected, Reverse Polarity Protected

Mechanical Construction

Enclosure	SECC
Protection Class	IP54
Dimensions	181x99x94 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
EMS	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)
Free Fall	IEC60068-2-32
Shock & Vibration	IEC61373
Green	RoHS Compliant
Certifications	EN50155; EN45545-2
MTBF	>100,000 hours
Warranty	5 years
Environmental Limits	
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)

