

ES-0802C-M12

10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch



- Compliant with EN50155
- 8x 10/100T(x) M12 connector
- 2x 10/100/1000T(x) M12 connector, with 2x 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 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT

Processing Type	Store and Forward
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Switch Properties

Switch Fabric	5.6Gbps
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Priority Queues	-
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MAC Table Size	8K
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Packet Buffer	4Mbits
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Interface

Network Connector	8x 10/100T(x) M12 Female D-coded 4-pole, 2x 10/100/1000T(x) M12 Female X-coded 8-pole, auto negotiation speed duplex mode, auto MDI/MDI-X
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LED Indicators	Per unit: PWR1, PWR2, Status Ports: Link/Active with highest speed(Green), low speed(Amber)
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Power Requirements

Operation Voltage	LV: 12-48VDC, HV: 72-110VDC, redundant dual i, redundant dual inputs
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Connection	M12 Male S-coded 4-pole
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Power Consumption	0.39A@24VDC; 0.21A@48VDC; 0.1A@110VDC
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Protection	Overload Current Protected, Reverse Polarity Protected
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Mechanical Construction

Enclosure	SECC
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Protection Class	IP40/IP54(Optional)
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Dimensions	181x99x94 mm (WxHxD)
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Weight	1.52 kg
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Mounting	Wall Mounting Kits, Optional DIN-Rail Mounting
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Environmental Limits

Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
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Ambient Relative Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
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EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)
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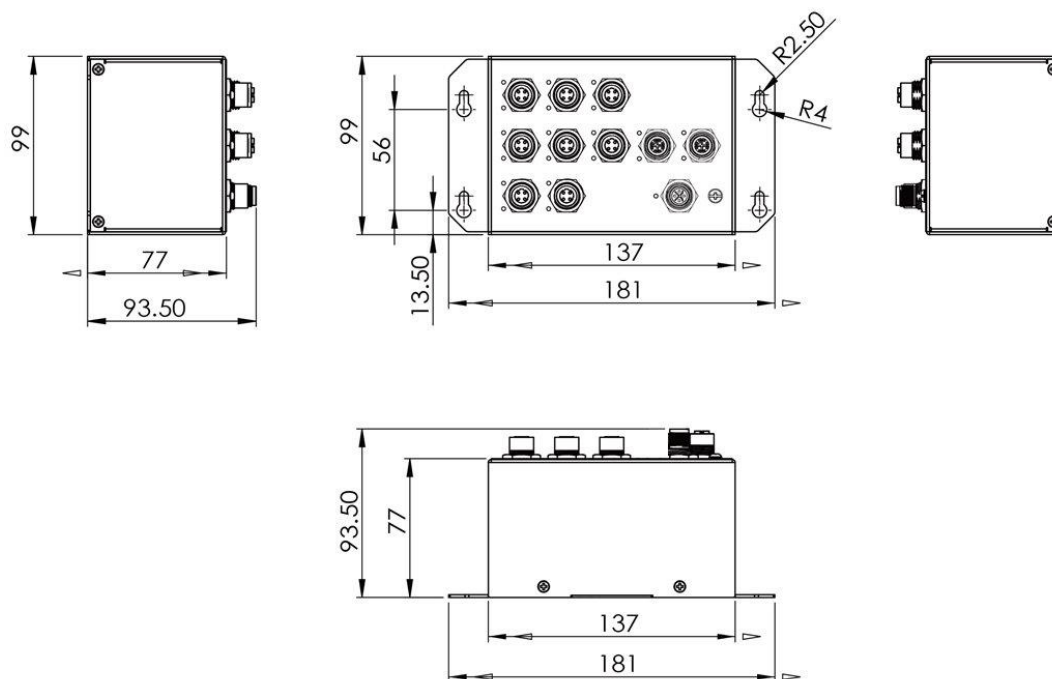
	IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC61373
Vibration	IEC61373

Green	RoHS Compliant
Certifications	EN 50155 EN 45545-2
MTBF	>100,000 hours
Warranty	5 Years

Features with star(*) implies those are under development.

In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)



Ordering Information

ES-0802C-M12-LVU-T	10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connector - Power Input: 12-48VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP40
ES-0802C-M12-LVU-WT	10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connector - Power Input: 12-48VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP54
ES-0802C-M12-HVU-T	10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connector - Power Input: 72-110VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP40
ES-0802C-M12-HVU-WT	10 Port M12 Industrial Unmanaged Gigabit Ethernet Switch - 8x 10/100T(x) + 2x 10/100/1000T(x) M12 connector - Power Input: 72-110VDC - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - Protection Class: IP54