

ET-0802C-M12

10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch



- Compliant with EN50155
- 8x 10/100T(x) M12 connector with IEEE 802.3at PoE+
- 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
- Isolated redundant PoE power 165W



Specifications

Technology

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3af Power over Ethernet IEEE 802.3at PoE+
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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 with PoE+, 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) PoE: Output Power
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Power Requirements

Operation Voltage	9-36VDC; 19-75VDC; 43-160VDC, redundant dual inputs, >50VDC for
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PoE+ output recommended

Connection	M12 Male S-coded 4-pole
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Power Consumption	0.39A@24VDC; 0.21A@48VDC; 0.12A@110VDC
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PoE Power Budget	Max. 30 W per PoE port. Max. total output power for PD: 165W@24V input (normal temp.); 60W@24V input (75°C)
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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

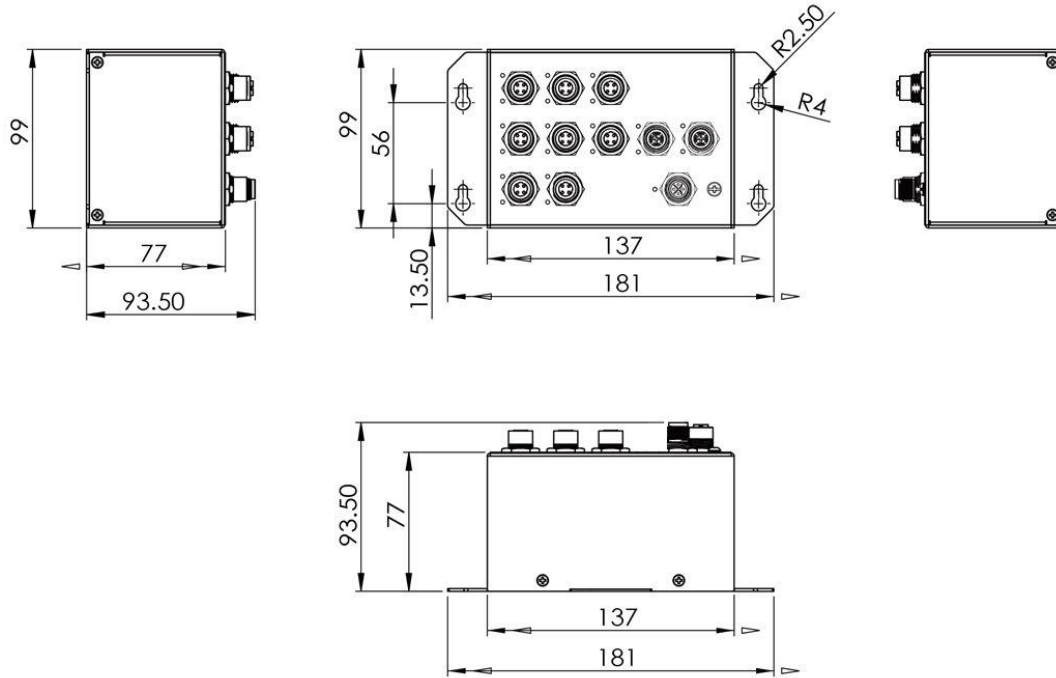
EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)

Free Fall	IEC60068-2-32
Shock	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

ET-0802C-M12-24V2U-T

- 10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 24VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Protection Class: IP40

ET-0802C-M12-24V2U-WT

- 10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 24VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Protection Class: IP54

ET-0802C-M12-48V2U-T

- 10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 48VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Protection Class: IP40

ET-0802C-M12-48V2U-WT

- 10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 48VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

- Protection Class: IP54

ET-0802C-M12-HV2U-T

10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 72-110VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Protection Class: IP40

ET-0802C-M12-HV2U-WT

10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 2x 10/100/1000T(x) M12 connector
- Power Input: 72-110VDC
- Max. Power Budget: 165W
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Protection Class: IP54