

ET-0804C-M12

12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch



- Compliant with EN50155
- 8x 10/100T(x) M12 connector with IEEE 802.3at PoE+
- 4x 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+

Processing Type	Store and Forward
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Switch Properties

Switch Fabric	9.6Gbps
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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+, 4x 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 PoE: Output Power
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Power Requirements

Operation Voltage	9-36VDC; 19-75VDC; 43-160VDC, redundant dual inputs, >50VDC for PoE+ output recommended
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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	1.55 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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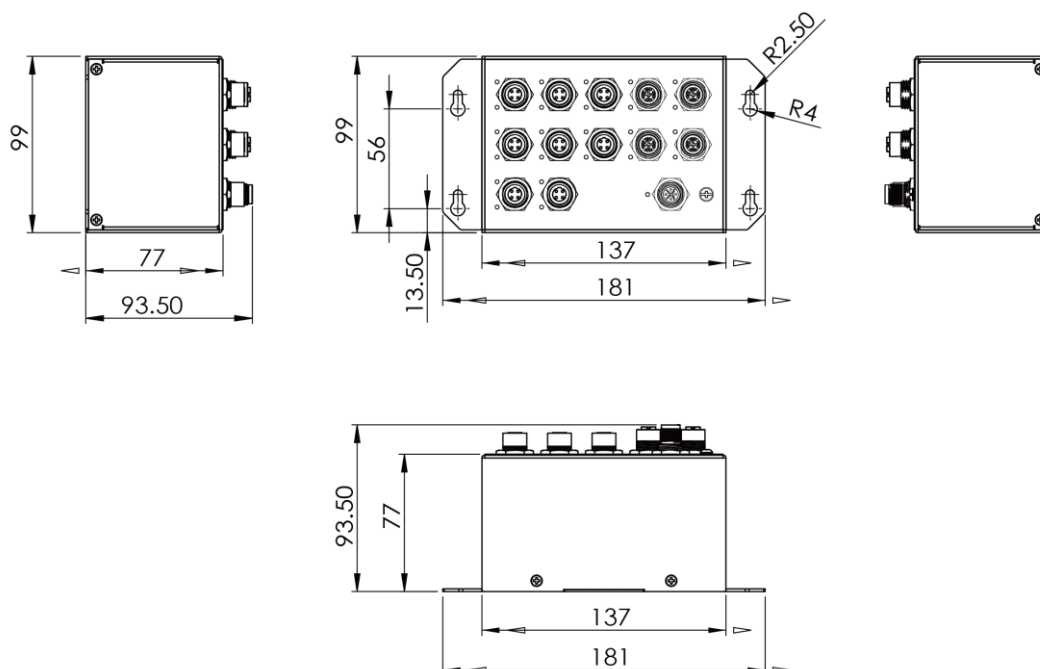
Ambient Relative Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A	Shock	IEC61373
		Vibration	IEC61373
		Green	RoHS Compliant
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)	Certifications	EN 50155 EN 45545-2 E-Mark
Free Fall	IEC60068-2-32	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-0804C-M12-24V2U-T	12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch - 8x 10/100T(x) with 30W PSE + 4x 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-0804C-M12-24V2U-WT	12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch - 8x 10/100T(x) with 30W PSE + 4x 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-0804C-M12-48V2U-T	12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch - 8x 10/100T(x) with 30W PSE + 4x 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-0804C-M12-48V2U-WT	12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch - 8x 10/100T(x) with 30W PSE + 4x 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-0804C-M12-HV2U-T

- 12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 4x 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-0804C-M12-HV2U-WT

- 12 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch
- 8x 10/100T(x) with 30W PSE + 4x 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