

ET-1000G-M12

10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch



- Compliant with EN50155
- 10x 10/100/1000T(x) M12 connector with 8x IEEE 802.3at PoE+
- Support Bypass function for non-stop communication even when no power exists on port 9 and port 10
- Built for harsh environments and wide temperature range application
- IP54 housing
- Isolated redundant PoE power 190W



Specifications

Technology

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| 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

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| Switch Fabric | 20Gbps |
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| Priority Queues | - |
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| MAC Table Size | 16K |
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| Packet Buffer | 12Mbits |
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Interface

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| Network Connector | 10x 10/100/1000T(x) M12 Female X-coded 8-pole with 8x PoE+, 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

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| Operation Voltage | 24VDC, 48VDC, HV: 72-110VDC, redundant dual inputs |
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| Connection | M12 Male S-coded 4-pole |
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| Power Consumption | 15W without PDs' consumption |
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| PoE Power Budget | Max. 30 W per PoE port. Max. total output power for PD: 190W@24V input |
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| Protection | Overload Current Protected, Reverse Polarity Protected |
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Mechanical Construction

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

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| 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

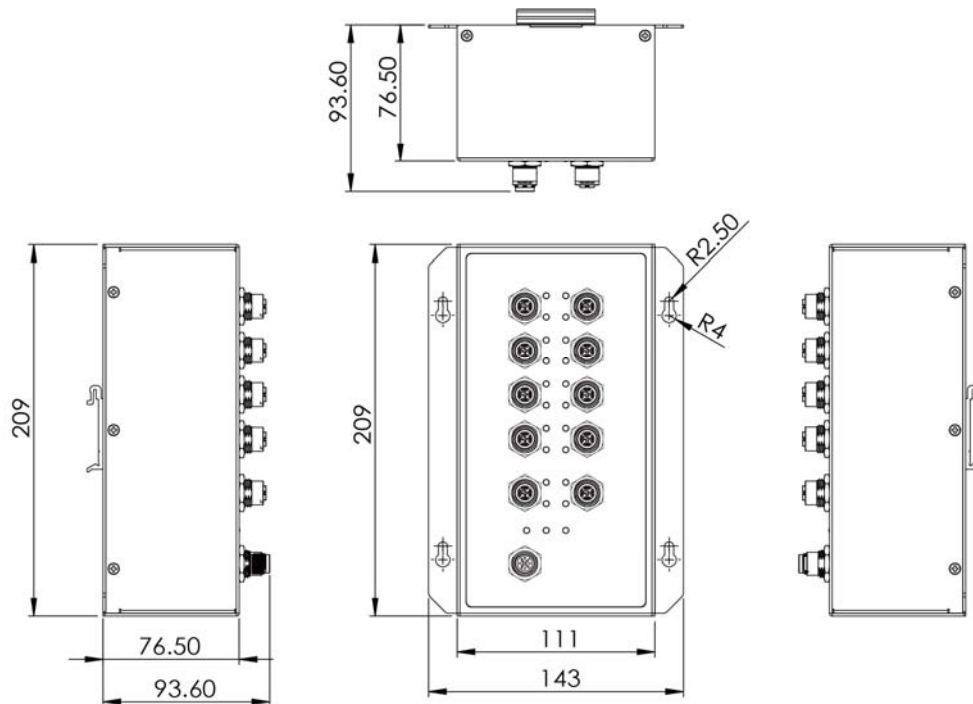
| | |
|------------|-------------------------------|
| EMI | FCC Part 15 Subpart B Class A |
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| | CE EN 55032 Class A |
| EMS | IEC61000-4-2 (ESD) |
| | IEC61000-4-3 (RS) |
| | IEC61000-4-4 (EFT) |
| | IEC61000-4-5 (Surge) |
| | IEC61000-4-6 (CS) |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

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|----------------|------------------------|
| 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

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| ET-1000G-M12-24V2U-T | <p>10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch</p> <ul style="list-style-type: none"> - 10x 10/100/1000T(x) M12 connector with 8x 30W PSE - Power Input: 24VDC - Max. Power Budget: 190W - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - UL Compliant |
| ET-1000G-M12-48V2U-T | <p>10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch</p> <ul style="list-style-type: none"> - 10x 10/100/1000T(x) M12 connector with 8x 30W PSE - Power Input: 48VDC - Max. Power Budget: 190W - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - UL Compliant |
| ET-1000G-M12-HV2U-T | <p>10 Port M12 Industrial Unmanaged PoE+ Booster Gigabit Ethernet Switch</p> <ul style="list-style-type: none"> - 10x 10/100/1000T(x) M12 connector with 8x 30W PSE - Power Input: 72-110VDC - Max. Power Budget: 156W - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - UL Compliant |