

# EP-0802G

## 8+2 Port Industrial Unmanaged PoE+ Gigabit Ethernet Switch



- 8x Gigabit Ethernet ports with IEEE 802.3at PoE+
- 2x 100/1000F(x) SFP Slot
- Built for harsh environments and wide temperature range application
- Relay Output with Current Carrying Capacity
- IP30 housing
- DIN-Rail Mounting, Optional Wall Mounting



### Specifications

#### Technology

|                  |   |
|------------------|---|
| <b>Standards</b> | IEEE 802.3 10BaseT<br>IEEE 802.3u 100BaseTX<br>IEEE 802.3ab 1000BaseT<br>IEEE 802.3z 1000BaseX<br>IEEE 802.3x Flow Control<br>IEEE 802.3af Power over Ethernet<br>IEEE 802.3at PoE+ |
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|                        |                   |
|------------------------|-------------------|
| <b>Processing Type</b> | Store and Forward |
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#### Switch Properties

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| <b>Switch Fabric</b> | 20Gbps |
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| <b>Priority Queues</b> | - |
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| <b>MAC Table Size</b> | 8K |
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| <b>Packet Buffer</b> | 4Mbits |
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#### Interface

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| <b>RJ45 Port</b> | 8x 10/100/1000T(x) with PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X |
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| <b>Fiber Port</b> | 2x 100/1000F(x) SFP Slot |
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| <b>PoE Pin Out</b> | V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A |
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| <b>LED Indicators</b> | <b>Per unit:</b> PWR1, PWR2, Fault<br><b>Ports:</b> Link/Active with highest speed(Green), low speed(Amber)<br><b>PoE:</b> Output Power |
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| <b>Alarm Contact</b> | 1x relay output with current carrying capacity of 1A @ 24 VDC |
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#### Power Requirements

|                          |   |
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| <b>Operation Voltage</b> | 48-57VDC, redundant dual inputs, >50VDC for PoE+ output recommended |
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| <b>Connection</b> | 1x removable 6-contact terminal block |
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|                          |                                      |
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| <b>Power Consumption</b> | 0.21A@48VDC without PDs' consumption |
|--------------------------|--------------------------------------|

|                         |      |
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| <b>PoE Power Budget</b> | 240W |
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|-------------------|--|
| <b>Protection</b> | Overload Current Protected, Reverse Polarity Protected |
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#### Mechanical Construction

|                  |          |
|------------------|----------|
| <b>Enclosure</b> | Aluminum |
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|                         |      |
|-------------------------|------|
| <b>Protection Class</b> | IP30 |
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|-------------------|-----------------------|
| <b>Dimensions</b> | 50x120x100 mm (WxHxD) |
|-------------------|-----------------------|

|               |         |
|---------------|---------|
| <b>Weight</b> | 0.67 kg |
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|                 |  |
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| <b>Mounting</b> | DIN-Rail Mounting, Optional Wall Mounting Kits |
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#### Environmental Limits

|                              |   |
|------------------------------|---|
| <b>Operating Temperature</b> | Standard: -10°C ~ 60°C (14°F ~ 140°F)<br>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)

**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** IEC60068-2-27

**Vibration** IEC60068-2-6

**Green** RoHS Compliant

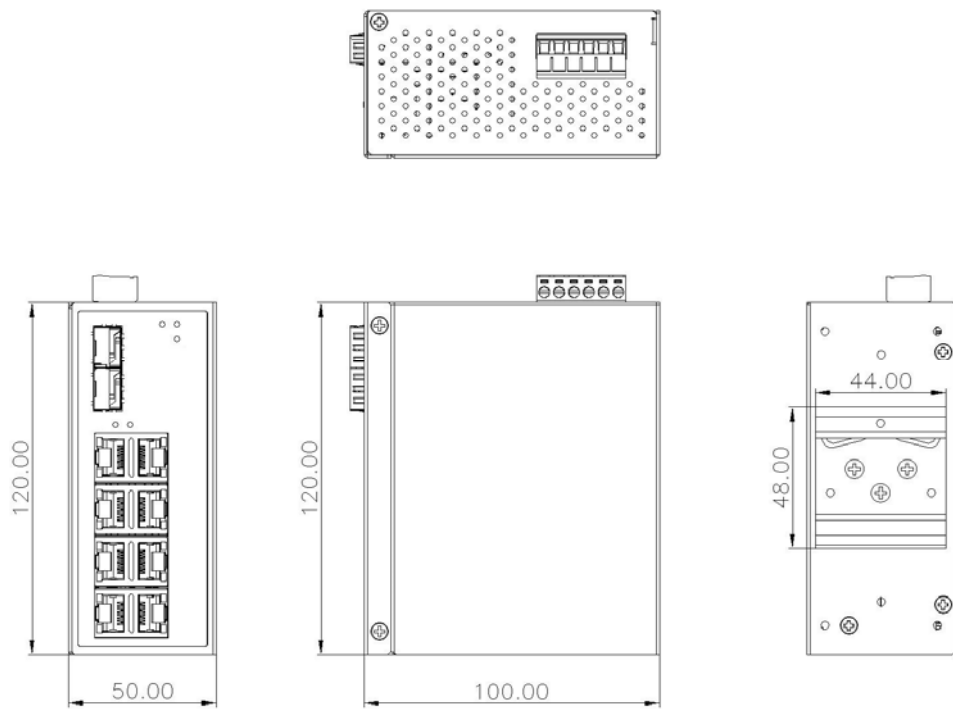
**Certifications** IEC 61000-6-2  
IEC 61000-6-4

**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**

|                   |   |
|-------------------|---|
| <b>EP-0802G</b>   | 8+2 Port Industrial Unmanaged PoE+ Gigabit Ethernet Switch<br>- 8x 10/100/1000T(x) with 30W PSE + 2x 100/1000F(x) SFP Slot<br>- Operating Temperature: -10°C ~ 60°C (14°F ~ 140°F)  |
| <b>EP-0802G-T</b> | 8+2 Port Industrial Unmanaged PoE+ Gigabit Ethernet Switch<br>- 8x 10/100/1000T(x) with 30W PSE + 2x 100/1000F(x) SFP Slot<br>- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) |

**Optional Accessories**

|                   |   |
|-------------------|---|
| <b>NDR-240-48</b> | Industrial DIN-Rail Power Supply with 48VDC Output, provide max. 240W Power |
| <b>NDR-480-48</b> | Industrial DIN-Rail Power Supply with 48VDC Output, provide max. 480W Power |