

Safety and Warning Information



Connect the DIN Rail via the End Clamp (2A09) to protective earth ground with low impedance. The modules are grounded to PE when they are snapped onto the DIN Rail.



When in operation, do not look directly into the transmit optical port or use magnification or focusing equipment to view optical output.

IEC 60825-1, Class 1 LED Product
FDA 21 CFR 1040.10 & 1040.11

CAUTION: Use of controls and/or adjustments or the performance of procedures other than those specified herein may result in hazardous infrared radiation exposure.



When used in Hazardous Locations:

Class I, Division 2, Groups A, B, C & D, T3C.

Substitution of components may impair suitability for Class I, Division 2. Power, input and output (I/O) wiring must be in accordance with Class I, Division 2 wiring methods and in accordance with the authority having jurisdiction. User shall provide power through a 3.33A maximum fuse or power the unit with a Class 2 power source. Do not connect/disconnect equipment unless area is known to be non-hazardous and power is switched off. Certified components for use in a suitable enclosure. The maximum ambient temperature is 75°C.

Ultra Electronics, NSPI Round Rock, Texas, USA

Further technical information can be obtained by contacting Ultra Electronics, NSPI Fiber Optic Products Group.

Phone: 800.880.9333
512.434.2800

Fax: 512.434.2901

Email: fiberop@weedinstrument.com

Visit: www.ultra-nspi.com

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G408M EOTec Managed Ethernet Switch

Installation Instructions



Ethernet Standards: IEEE 802.3(U)(X)

Ethernet Protocols: All 802.3 supported

Ports

Fiber Ports: 100/1000Base-FX
SFP, LC Connections

RJ45 Ports: 10/100/1000Base-T(X)

Power Input

Requirement: 10 to 30Vdc @ 500mA

Connection: Pluggable Cage-Clamp
Screw Terminal block

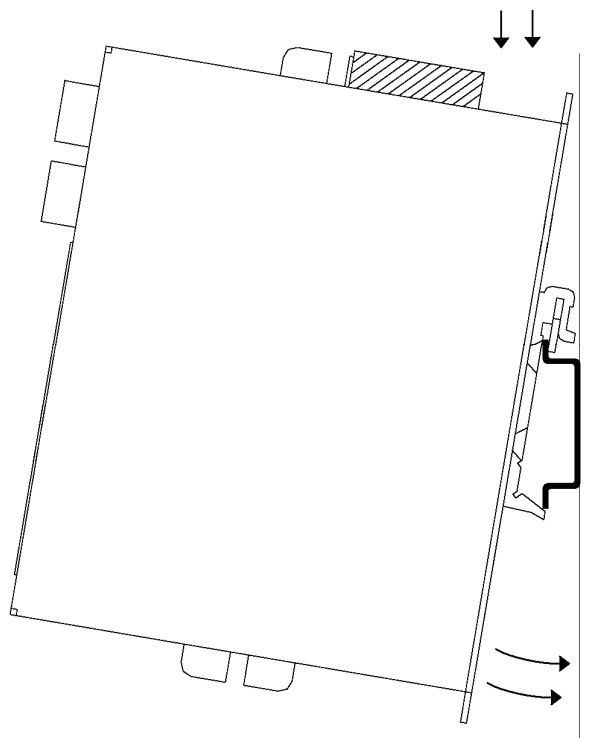
Operational Settings

Little or no user configuration is needed if the unit is used as a standard switch. Management functions can be set up via the console ports or Ethernet ports. The default IP address is 10.2.0.1 and the default subnet mask is 255.0.0.0

DIN Rail Mounting

Installation on DIN rail:

Place the top lip of the module's DIN rail mounting clip onto the DIN rail. While applying pressure to the top rear portion of the unit, swing the lower portion of the unit towards the mounting surface until it "clicks" and locks into place.

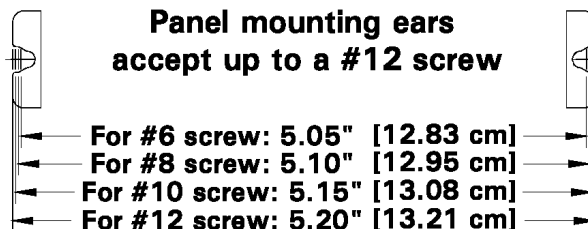


Removal from DIN rail:

Pushing down on the top rear causes the DIN rail mounting clip to move downward and disengages it from the DIN rail. Tilt the module up and lift it off of the DIN rail.

Direct to Panel Mounting

Panel mounting ears accept up to a #12 screw

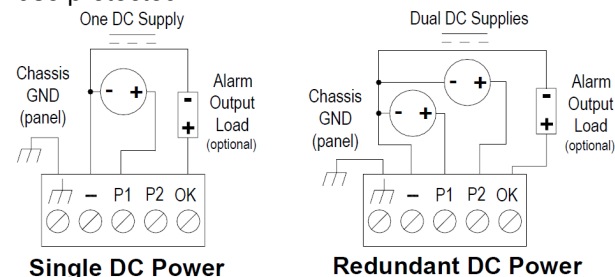


Direct to panel mounting guide

Connections

Power:

The module may be powered from any supply capable of delivering 10 to 30Vdc at 500mA. Power connection is via a removable screw terminal block located at the bottom of the unit. Two power inputs are provided for redundant power, if needed. Neither power input is internally fuse protected.



Ethernet:

The front panel RJ45 connectors are shielded and employ an auto-crossover circuit such that either a straight through or a crossover cable may be connected. Shielded, data-quality, category 5e cable is recommended. The typical maximum cable length is 328ft (100m).

Fiber:

Ports 5, 6, 7 & 8 can be used as either wire ports or fiber ports, **but not both simultaneously**. The fiber ports are compatible with SFP (Small Form Factor Pluggable) fiber modules. These modules accept LC fiber connectors. An SFP module locks in place when inserted and lifting its wire bale unlocks the SFP module for removal.

LED Indicators

P1, P2 (Power):	Green - On with power applied
1 - 8	Off with no connection On Green with 1Gbps link On Amber with 10/100Mbps link Flashes with activity
STATUS:	Green - Off or flashing if internal error exists. On if switch is normal
OK:	Green - Off ring of power fault On when normal

Specifications/Compliances

Ethernet Standards:	IEEE 802.3(U)(X)
Ethernet Protocols:	All standard IEEE 802.3
Ethernet Isolation:	1200VRMS (1 minute)
Wire Ethernet Ports Shielded RJ45:	Auto 10/100/1000 Base-T(X), Auto full/half-duplex, Auto crossover
Wire Cable Length:	328ft/100m
Power Requirements:	10 to 30Vdc, 500mA max
Power Connector:	Pluggable, Cage-clamp, Screw terminal block, Accepts 12 to 24AWG
Fiber Ethernet Ports: Connection:	LC Compatible
Data Rate:	1000Base-FX, Full-duplex
Operating Range Temperature:	-40 to 75°C
Relative Humidity:	0 to 95% (non-condensing)
Flammability:	UL 94V-0
Hazardous Locations:	Class I, Division 2, Groups A, B, C & D, T3C