18x16x08 Fiberglass Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, PoE MNT PLT, Solid State Thermostat 48 VDC Fan Gray

NB181608-40FS

Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated

- Fully gasketed vented lid with filters & integral mounting flange
- Features aluminum mounting plate with Power-Over-Ethernet (PoE) interface with CAT5 surge protection & solid state thermostat controlled cooling system

Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid Deployment Installations

- Corrosive environments & hotspot applications
- Protection of equipment from theft or damage

Description

The box is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass reinforced polyester, it is well suited for high temperature or corrosive environments. The integrated mounting flange allows it to be mounted directly to any flat wall surface provided proper screws are used into secure studs. The enclosure can also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits. The lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed vented lid with filters & integral mounting flange. The enclosure material is UV stabilized and comes in machine tool gray.

Mounting Plate

The aluminum mounting plate included with the NB181608-40FS features a CAT5 PoE interface that feeds power to the enclosure fan and power plus data to the internal network equipment. The enclosure is not 802.3af/at/bt PoE compatible. It requires one of our 48 Volt DC PoE Midspan injectors to supply power. The interface includes lightning protection and support for normal and reverse polarity PoE equipment. The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug, and a cable conduit connector.

Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. With the built-in dual cooling fans, internal temperatures can be better maintained. This model is ideal in hot environments. The fans are controlled by an integral high current solid state AC relay. The relay features Zero Cross Detection for EMI reduction.

For cooling the NB181608-40FS model includes our exclusive solid state temperature controller connected to dual 5.3W (10.6W total) fans. The high airflow, low noise fans used allow warm air to be actively pushed out the top vent while the second fan on the lower vent actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The controller features improved temperature set point accuracy. The fans turn on when the internal temperature rises to 90° F (32° C) ±5° and turn off at 81° F (27° C) ±5°. No extra room for the controller is required since it is mounted underneath the plate.

The HGX-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

Compatible versions include HGX-PMT13, HGX-PMT16, HGX-PMT28, HGX-PMT29, HGX-PMT30 & HGX-PMT33

Mechanical Specifications

Size

Outer Height	19.5 in	[495.3 mm]
Outer Width	17.5 in	[444.5 mm]
Outer Depth	10 in	[254 mm]
Inner Height	17.7 in	[449.58 mm]
Inner Width	15.7 in	[398.78 mm]
Inner Depth	8.4 in	[213.36 mm]
Weight	19.8 lbs	[8.98 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

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Environmental Specifications

Temperature Rating	-50 to +150 degC
NEMA Rating	3R
Ingress Protection (IP) Rating	IP24

Compliance Certifications

UL Listed	No

18x16x08 Fiberglass Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, PoE MNT PLT, Solid State Thermostat 48 VDC Fan Gray from L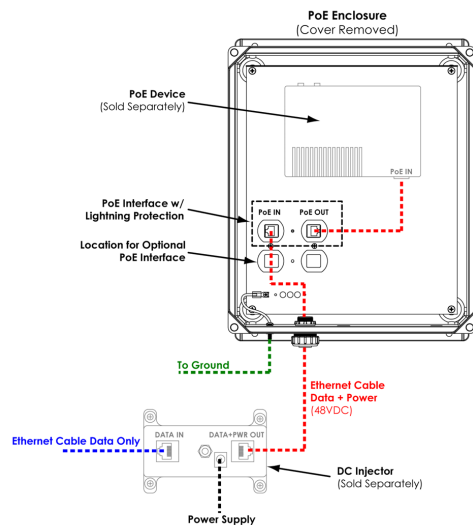-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: https://www.l-com.com/nema-enclosures-18x16x8-inch-weatherproof-enclosure-with-poe-interface-and-solid-state-fan-controller-p.aspx

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NB181608-40FS CAD Drawing

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