18x16x8 Inch Weatherproof Enclosure with 802.3af (PoE) Power-Over-Ethernet Interface and Dual Cooling Fans - Model: NB181608-40FAF
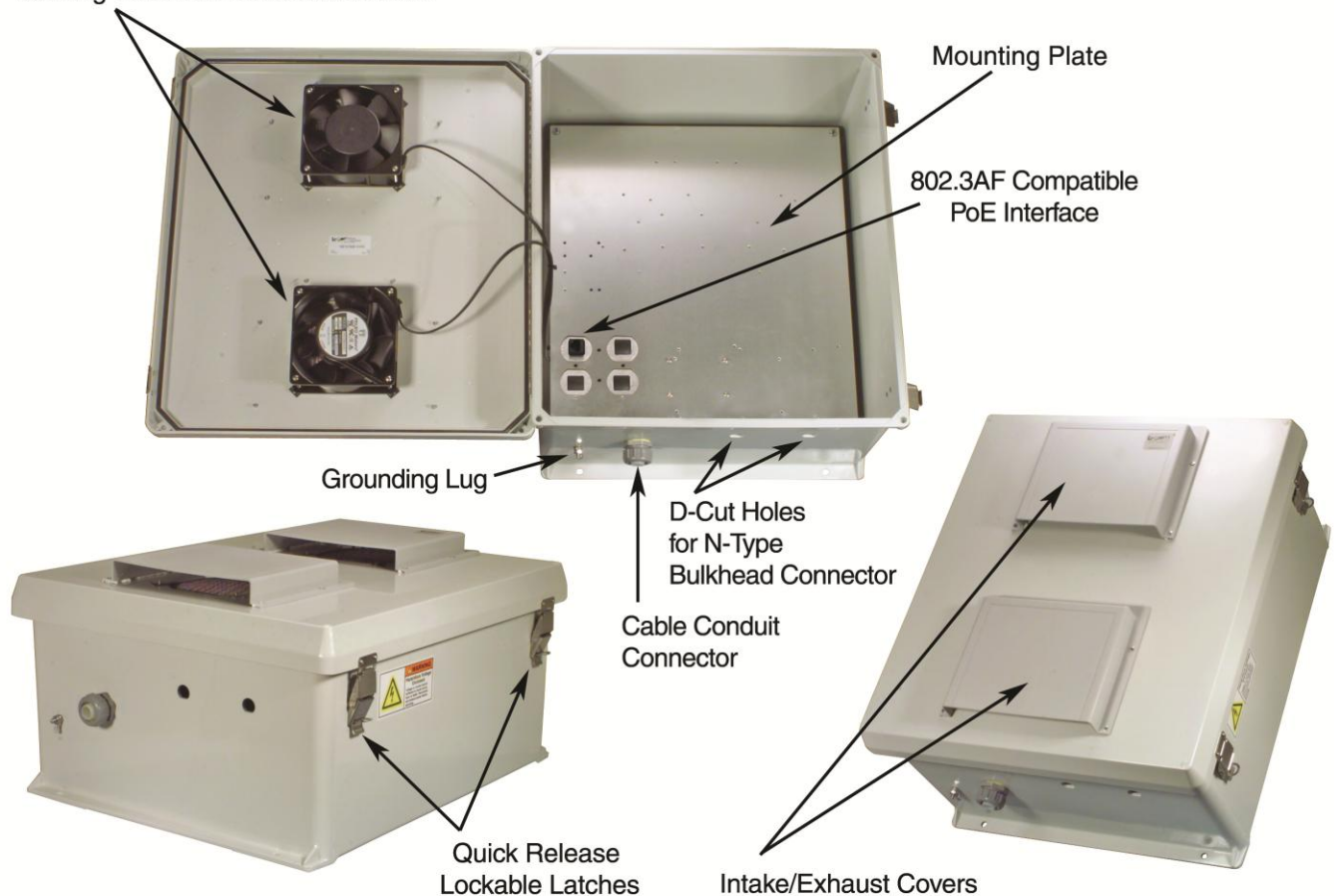
Applications and Features

Features:
- Molded Fiberglass Reinforced Polyester (FRP) industrial Enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R, 3RX / IP24 rated
- Fully gasketed raised Vented lid with removable filters & integral mounting flange
- Features aluminum mounting plate with 802.3af compatible PoE Interface & Thermostat Controlled Cooling System

Applications:

RoHS Compliant

- Remote Wireless LAN WiFi equipment installations using 802.3af compatible PoE interface
- Rapid Deployment & Indoor/outdoor installations
- Corrosive environments
- Hotspot applications
- Protection of equipment from theft or damage

Cooling Fans and Removable Filters

Mounting Plate

802.3AF Compatible PoE Interface

Grounding Lug

D-Cut Holes for N-Type Bulkhead Connector

Cable Conduit Connector

Quick Release Lockable Latches

Intake/Exhaust Covers

Product Description

Start with the Box...

The box is a rugged 18" x 16" x 8" weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass, it is well suited for high temperature or corrosive environments. The mounting flange allows it to be wall mounted as well as on a flat surface. The box can also be pole mounted with the optional pole mounting hardware kit. The fully gasketed lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. The enclosure material is UV stabilized and comes in machine tool gray. The enclosure also features holes for mounting Lightning Protectors or Connectors, a grounding lug and ½" cable conduit connector.

Mounting Plate

The aluminum mounting plate has provisions to mount WLAN equipment from Cisco®, Symbol®, D-Link®, HyperLink and more (see mounting plate drawing). With the optional HGX-AMOUNT02 bracket a wide array of HyperLink Amplifiers, Power-Over-Ethernet products and Power Supplies can be mounted as well. Two of these brackets can be mounted side by side. Also available is the HGX-NMOUNT03 Universal Mounting Shelf that can be attached to the mounting plate and can accommodate additional equipment to be placed in the enclosure.

Power-Over-Ethernet (PoE)

The Mounting Plate features an 802.3af compatible PoE interface to power the thermostatically controlled, dual cooling fans. The fans can be powered by the majority of 802.3af compliant Switches, Midspans or injectors operating in Mode A or B with normal or inverted polarity. The caveat is the fans require their own PoE interface, usually from a spare port on the Switch or Midspan. At least two Ethernet cables must be pulled to the enclosure, one to power the fans, and one or more for the equipment. This eliminates the need for a separate passive PoE injector as required by other L-com PoE enclosures.

Cooling Fans

The NB181608-40FAF includes thermostat controlled 48 VDC Cooling Fans that are powered via the CAT 5 PoE interface. The high airflow, low noise fans featuring sealed ball bearings, evacuate heat from the top of the enclosure. Filters for both ports are easily removable for cleaning and replacement. The fans turn on when the internal temperature rises to +120° F (49° C) +/-5° and turns off at 90° F (32° C) +/- 10°. An optional solid state thermostatic controller is available.

Lightning Protection

For optimum protection, L-com recommends that surge protection be added to the enclosure. L-com offers a wide array of Coaxial and Data Line surge protectors that can be mounted in the enclosure. The unit can accept up to two optional bulkhead-mount N-Type lightning protectors to protect the coaxial cable runs. Data line protectors can be mounted to the mounting plate.

Specifications

Enclosure Material	Fiberglass Reinforced Polyester
Enclosure Color	Machine Tool Gray
Mounting Plate Material	.10 in. (2.5mm) Thick Anodized Aluminum
Mounting Plate Dimensions	16.8 x 14.8 inches (42.6 x 37.5 cm)
Weight	20.3 lbs (9.2 kg)
Outside Dimensions (max)	19.5 x 17.5 x 10 inches (49.5 x 44.4 x 25.4 cm)
Inside Dimensions	17.7 x 15.7 x 8.5 inches (44.9 x 39.9 x 21.6 cm)
Flame Rating	UL 94-5V
Cable Feed	1/2" Cable Conduit Connector
RoHS Compliant	Yes
Ratings	NEMA Type 3R, 3RX / IP24

Enclosure Dimensions

10-32 x 5/16" BP.
BRASS INSERT
(4) PLACES

.31 DIA. MOUNTING HOLES (4) PLACES

MOUNTING FLANGE (2) SIDES

B

A ▲ ─── A

19.55

18.80

18.13

17.66

16.25

B

17.55

SECTION B-B
(SHOWN WITH COVER REMOVED)

10.00

9.00

4.50

3.50

5.86

1.75

4.43

3.34

2.75

12.00

See Detail A

16.13

15.66

(BOTTOM OF COOLING FANS)

6.16

4.54

7.88

(TOP OF MOUNTING PLATE W/STAND-OFFS)

1.000 (Stand-Off)

14.25

0.62

SECTION A-A
(SHOWN WITH COVER REMOVED)

.625

.578

DETAIL A

Notes:
1) Features shown may not be on all enclosure models
2) All dimensions in inches.

NEMA ENCLOSURE

ACCESS POINT

POE FAN POWER

POE LINE 2

802.3af SWITCH
OR MIDSPAN

POE LINE 1