18x16x8 Inch Weatherproof Enclosure with Mounting Plate, (PoE) Power-Over-Ethernet Interface and Solid State Cooling Fans – Model: NB181608-40FS

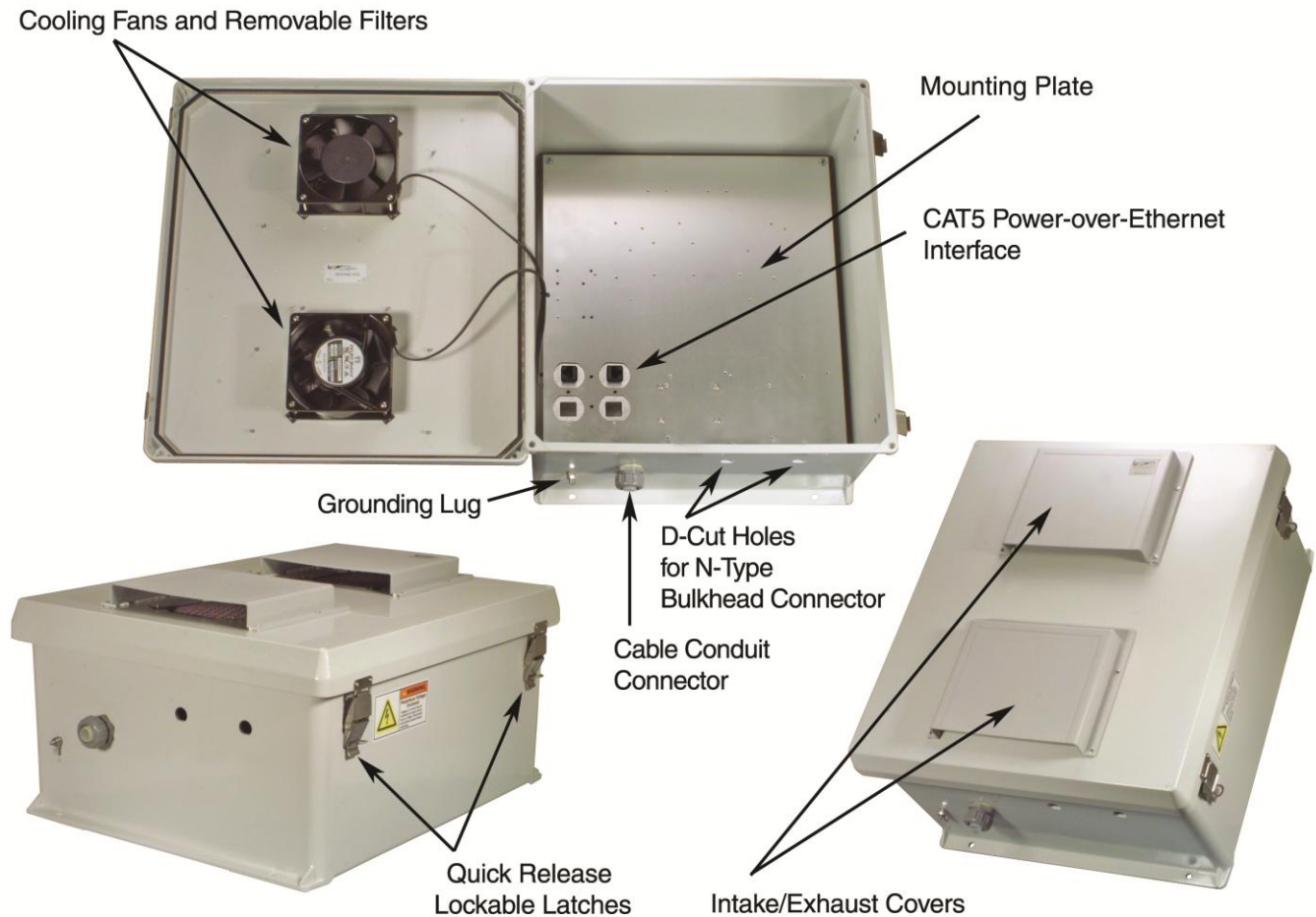## Applications and Features

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 Power-Over-Ethernet (PoE) interface with CAT 5 Surge Protection & Solid State Controlled Cooling System

Applications:

- Remote Wireless LAN WiFi equipment installations using Power-Over-Ethernet
- Indoor and outdoor installations
- Rapid Deployment Installations
- Corrosive environments
- Hotspot applications

Cooling Fans and Removable Filters
Mounting Plate
CAT5 Power-over-Ethernet 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 a CAT5 PoE interface that is used to split the Data and Power carried by a CAT5 cable to the internal equipment (Non 802.3af PoE compatible). The interface includes Lightning Protection and support for normal and reverse polarity POE equipment. To supply the required current to the equipment and Fan, the HyperLink BT-CAT5-P1-4848 power supply and injector kit should be used. An optional PoE interface surge protector can be added to add protection for a second CAT5 cable.

Solid State Fan Controller

The NB181608-40FS comes with dual high CFM 48 VDC cooling fans installed. The high air flow, low noise fans, featuring sealed ball bearings, evacuate heat from the top of the enclosure. The fans are controlled by L-Com's exclusive solid state fan controller. The standard unit has a fan turn-on temperature of +90° F. The controller features improved temperature setpoint accuracy and can be factory modified for other temperature set points. No extra room for the controller is required since it is mounted underneath the plate.
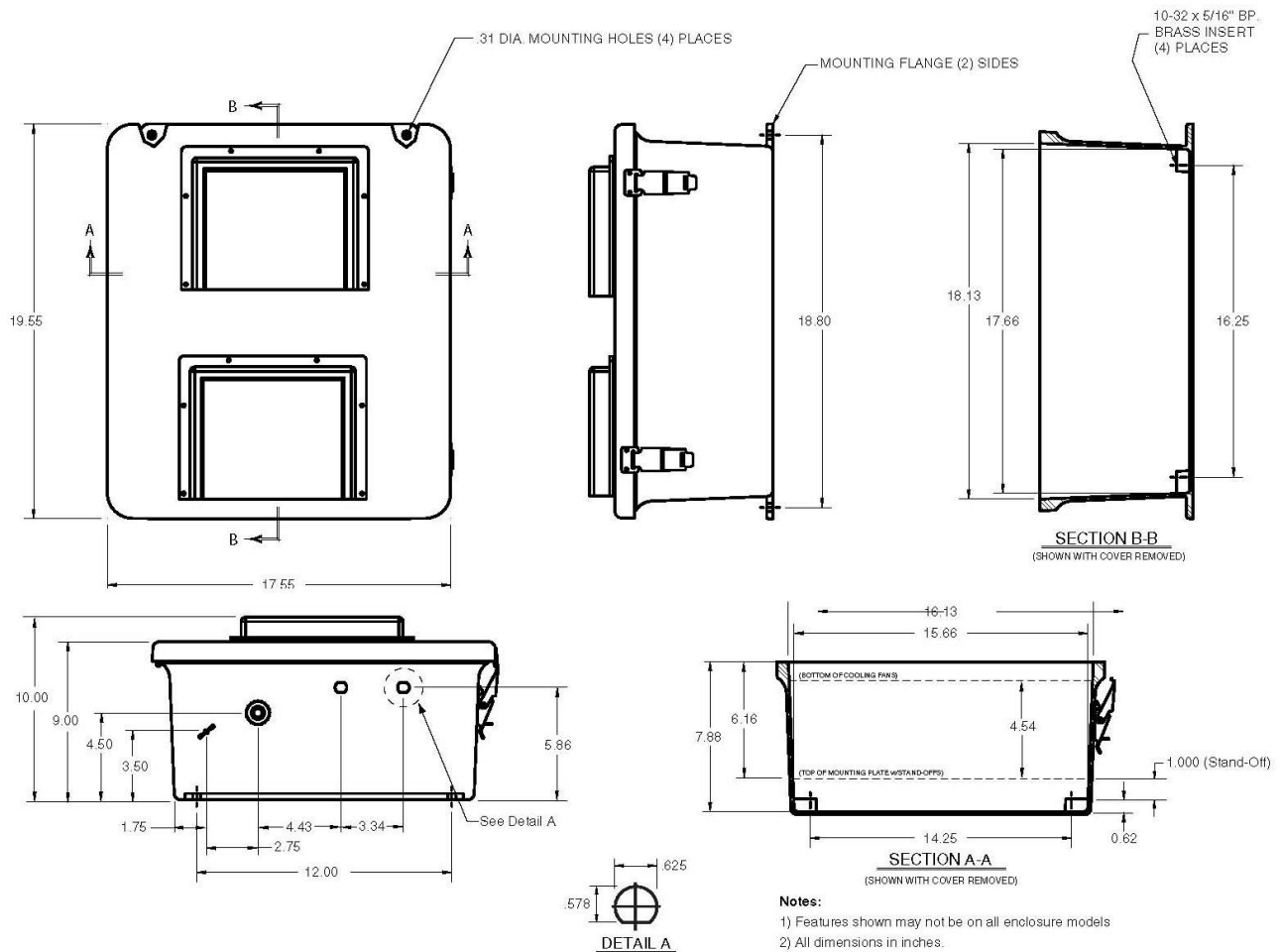
Lightning Protection

The PoE interface features built in lightning protection. This helps add an extra level of protection to PoE equipment installed in the enclosure. In addition, the unit can accept up to two optional bulkhead-mount N-Type lightning protectors to protect the coaxial cable runs.

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

Temperature Controller Specification	
Fan Setpoint Temperature	+32° C (+90° F)
Hysteresis Window	5° C (9° F)
Contact us for custom Fan Setpoints	

Enclosure Dimensions

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