



Features

- Integral Gigabit PoE/PoE+ Repeater/Power Splitter which provides power+data for up to (2) PoE devices
- Dual PoE powered thermostat controlled DC cooling fans
- Designed for ceiling mount applications
- Steel DIN Rail mounting brackets with 7 rail mounting locations
- Includes (2) steel 35mm Top Hat DIN Rails for mounting equipment
- Fiberglass Reinforced Polyester FRP construction, weatherproof and UV stable
- Meets NEMA 3R, 3RX and IP24
- Gasketed lid with stainless steel hinge and quick release latches with padlock hasps
- RF transparent for wireless devices
- Includes cable glands and stainless steel mounting feet
- Optional mounting kits available

Description

The **Altelix NF141206CVFE1-DIN Ceiling Mount PoE Enclosure** is ideal for protecting DIN Rail mounted Power-Over-Ethernet (PoE) enabled equipment from harsh environments and tampering. Using a single Ethernet cable to provide power and data, this enclosure can be installed in remote locations with no power outlets available.

Designed for Ceiling Mount Applications - The NF141206CVFE1-DIN is intended for installation on ceilings in settings such as industrial facilities, commercial buildings, or institutional environments. With the included stainless steel mounting feet, it can be attached to a wide range of ceiling structures. Optional pole mount kits are also available to mount the enclosure to overhead pipes or truss systems.

Integral Gigabit PoE/PoE+ Repeater / Power Splitter - Featured in this enclosure is an integral Gigabit PoE repeater/power splitter mounted to the equipment mounting plate. This Gigabit PoE splitter is used to power the thermostat controlled DC cooling fans as well as providing data+power to one or two PoE enabled devices installed inside the enclosure. The PoE splitter is compatible with IEEE 802.3af/at standards and features 10/100/1000Mbps data speeds.

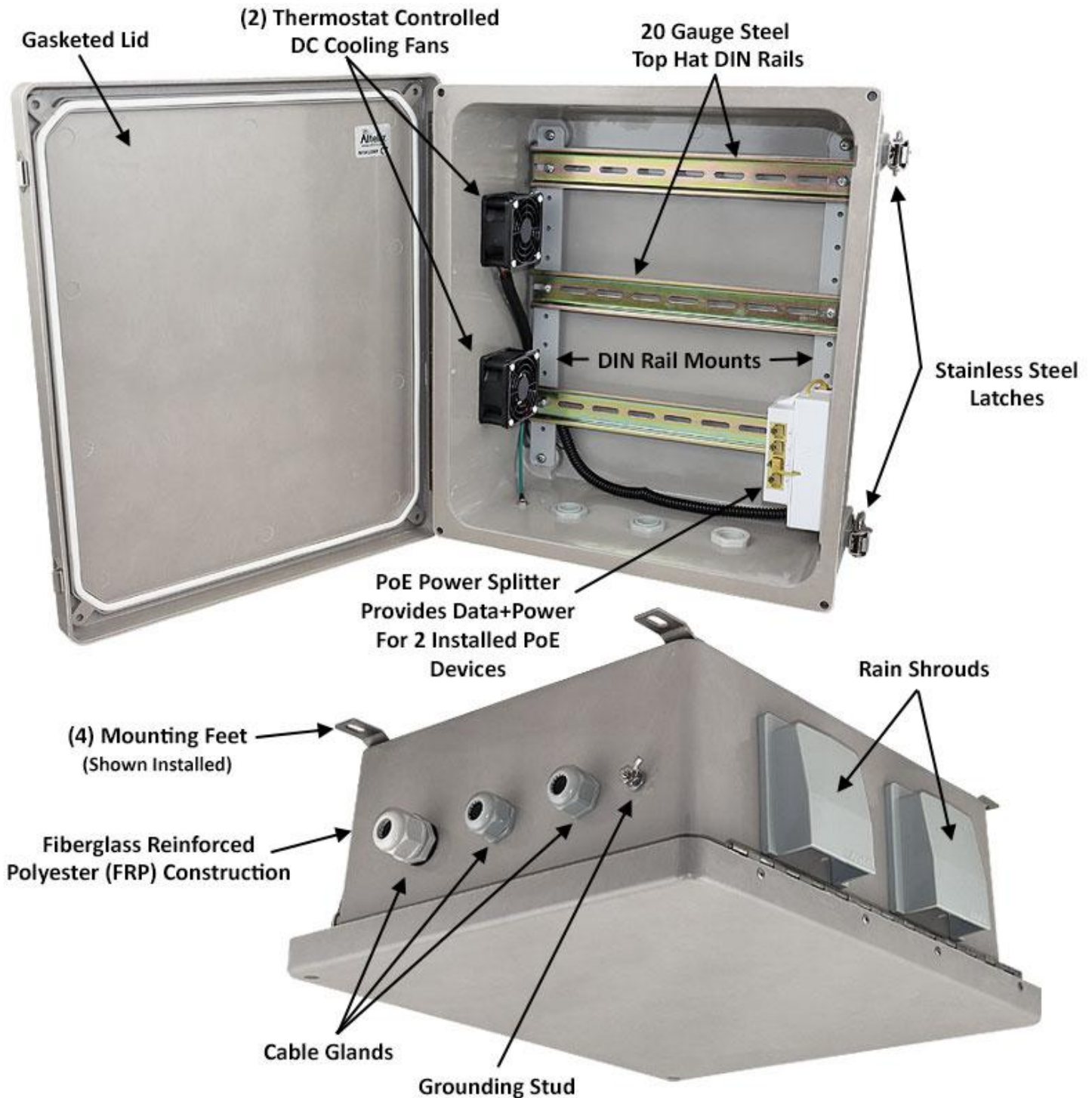
Dual PoE Powered Cooling Fans - To help manage internal temperatures due to increased heat typical in ceiling environments, the NF141206CVFE1-DIN features dual thermostat controlled PoE powered DC cooling fans. The low noise, high airflow fans help maintain lower internal temperatures. Downward facing vent shrouds on the side of the enclosure help prevent water and falling debris from entering.

35mm Top Hat DIN Rails - This enclosure features two heavy duty 12 gauge steel DIN rail mounting brackets that provide 7 DIN rail mounting locations. For convenience, the enclosure also includes two pre-cut 35mm top-hat DIN rails for mounting equipment. DIN rail mounting hardware is included.

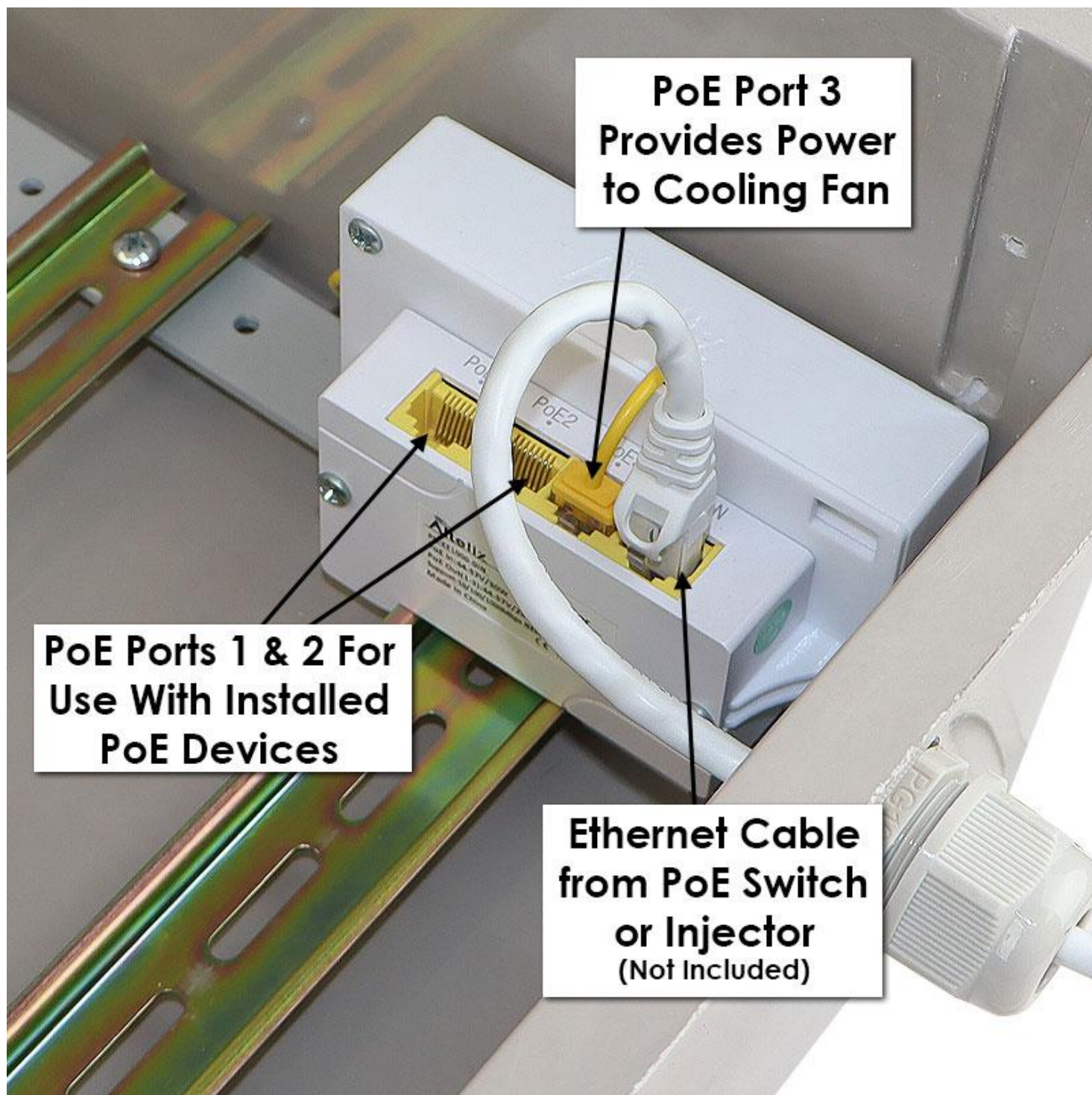
Extreme Protection Built to Last - This rugged JIC style NEMA box is molded from durable UV stable and corrosion resistant fiberglass reinforced polyester (FRP) with a UL94-5V flame rating. The FRP material is dent-proof, non-conductive and RF transparent for compatibility with wireless equipment. It can be easily drilled and modified by the installer as needed. It features a gasketed door with stainless steel continuous hinge and stainless steel quick release latches with padlock hasps.

Cable Glands - This enclosure features three of our unique PG-16 cable glands. The first is a specially designed cable gland which will allow a pre-terminated Ethernet cable to be fed into the enclosure. The second two glands feature a closed inner seal. They are installed in the open ports to maintain the NEMA rating of the enclosure when not in use. When required for use, simply punch a hole through the inner membrane, run your cables and tighten for a water-tight seal.

Product Photos



Product Photos



Product Photos

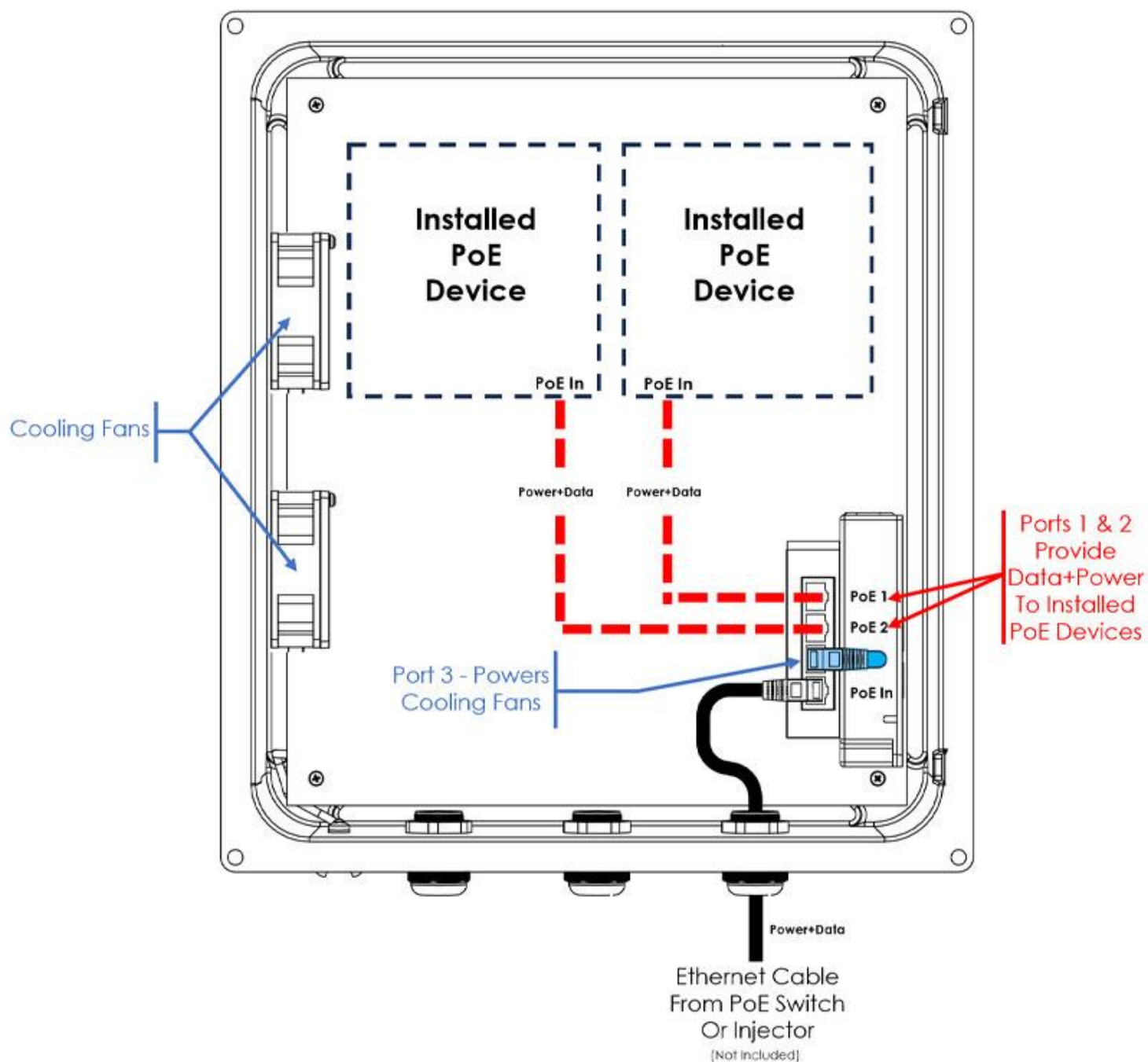


Shown with mounting feet installed

Product Photos



Wiring Diagram



Specifications

Material	Fiberglass Reinforced Polyester
Color	Gray
Cooling Fan Turn-On Temperature	100°F (38°C) ±6°F
Cooling Fan Turn-Off Temperature	79°F (26°C) ±9°F
PoE Voltage	44-57 VDC
PoE Input Power	30W Max.
PoE Output Power	24W Max., Average 8W Per Port
Data Speed	10/100/1000 Mbps
PoE Protocol	IEEE 802.3at (30W), IEEE 802.3af (15.4W)
PoE Pinouts	Pins 1/2 (-) Pins 3/3 (+) Pins 4/5 (+) Pins 7/8 (-)
Outer Dimensions (Height x Width x Depth)	15.7 x 13.8 x 8.0 Inches (401 x 352 x 205 mm)
Inner Dimensions* (Height x Width x Depth)	13.0 x 9.7 x 5.4 Inches (330 x 248 x 137 mm)
DIN Rail Length	19 in. (482.6 mm)
DIN Rail Material	20 Gauge (0.04 inch) Steel
Weight	10.6 lbs. (4.8 kg)
Ratings	NEMA Type 3R, 3RX / IP24
Flame Rating	UL94-5V

*See drawing for detailed dimensions of maximum space available for equipment.