



Pre-assembled outdoor-rated enclosure for fiber-to-PoE media conversion. Designed for pole-mounted IP camera installations where fiber optic backhaul is required. Converts single-mode or multi-mode fiber to Gigabit PoE++ (95W) output with integrated surge protection, power conditioning, and active cooling. NEMA 3R/4X rated for outdoor environments.

KEY FEATURES

- ✓ Industrial SFP to Gigabit PoE++ media converter (95W)
- ✓ NEMA 1/3R/4/4X/12 rated polycarbonate enclosure
- ✓ 4-port SC simplex fiber distribution panel
- ✓ Integrated CAT5/6 lightning surge protection
- ✓ 48VDC industrial power supply with wide input range
- ✓ Dual filtered intake fans for active cooling
- ✓ Quad 15A utility receptacle for service equipment
- ✓ DIN rail mounted components for serviceability
- ✓ Carbon steel subpanel with powder coat finish
- ✓ Stainless steel quick-release door latch
- ✓ Pre-wired with labeled terminal connections
- ✓ Includes wiring schematic in document pocket

SPECIFICATIONS

Fiber Input	SC Simplex (4 ports available)	Power Consumption	150W maximum
Fiber Type	Single-mode or Multi-mode (SFP dependent)	Enclosure Rating	NEMA 1/3R/4/4X/12
Ethernet Output	1x RJ45 Gigabit (10/100/1000)	Enclosure Material	Polycarbonate, UV resistant
PoE Standard	IEEE 802.3bt (PoE++)	Operating Temperature	-20°C to 60°C (-4°F to 140°F)
PoE Output Power	95W maximum	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Input Voltage	120/240 VAC, 50/60Hz	Humidity	0% to 95% non-condensing
Input Current	2A @ 120VAC typical		

ELECTRICAL SPECIFICATIONS

AC Input	120/240 VAC, single phase
DC Bus Voltage	48 VDC @ 2.5A (120W)
Surge Protection	10/100 Base-T, DIN mount
Cooling	2x 8.8 CFM filtered fans
Service Outlet	4x 15A, 125VAC NEMA 5-15R
Ground	Equipment ground required
Wire Size	14 AWG (internal power)

DIMENSIONS

Height:	18 in (457mm)
Width:	16 in (406mm)
Depth:	4 in (102mm)
Weight:	15 lbs (6.8 kg)

MOUNTING

Pole mount at base using appropriate banding or bracket hardware (not included). Wall mount option using integrated mounting flanges. Position with cable entries facing downward to prevent water ingress. Ensure minimum 4 inches clearance around enclosure for ventilation. Connect to dedicated circuit with appropriate overcurrent protection.

ORDERING INFORMATION

Part Number	Description
PNL-FMC-NEMA3X	Fiber-to-PoE Media Converter Enclosure, 95W PoE++
SFP-SM-10K	Single-mode SFP module, 10km reach (ordered separately)
SFP-MM-550M	Multi-mode SFP module, 550m reach (ordered separately)

UL508A

cUL

NEMA 3R/4X

RoHS

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