



PFU-P-C-O-060-02

PoE Extender, 2 Port Universal Mount, Outdoor, 60 Watt, 2-Port

- Environmentally sealed closure - IP67
- Electrical power management
- Circuit protection electronics
- Optical to electrical Media Conversion
- Automatically conditions electrical voltage to the correct level
- 2 independent PoE ports

Product Classification

Product Type	PoE unit
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Body Features

Color	Aluminum, with White solar shield attachment
Material	CNC machined
Weight	3.80 kg 8.38 lb

Configuration Features

Number of Ports	2
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Dimensions

Height	283.00 mm 11.14 in
Length	224.71 mm 8.85 in
Width	77.02 mm 3.03 in

Electrical Characteristics

Transition Performance	2 separate ports each 25.5W, PoE+ rated output
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Industry Standards

Standards Compliance	CE/FCC/CSA/RCM CISPR 22/FCC CFR 47 Part 15/ICES-003 EN 55024:2010 + A1:2015 EN 55032:2015 EN 60068-2-52:1996 EN 60529:1992 + A2:2013 (IP68) EN300386/ICES-003 ETSI EN 300 019-1-4 V2.3.1 (2013-08) Class 4.1E IEC 60950-22:2006 IEC 62368-1:2014 ITU-T K.45 NEC Class 2 input SELV
Standards Notes	NEC Class II requires a power supply unit (PSU) limited to less than 60V DC PoE standard (IEEE 802.3af) assumes 15.4W power consumption PoE+ standard (IEEE 802.3at) assumes 25.5W power consumption

Mechanical Attachment

Mounting Type	Universal Pole or Wall Mount
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Outline Drawing

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Input Voltage	Cable Gauge (AWG)	Lmax (m) (PoE+/PoE+)	Lmax (m) (PoE/PoE+)	Lmax (m) (PoE/PoE)	Lmax (m) (PoE+)	Lmax (m) (PoE)
Maximum (57V)	12	650	1120	1570	1595	2630
Maximum	16	255	445	620	630	1040
Nominal (48V)	12	460	795	1100	1120	1840
Nominal	16	180	315	435	440	725
Minimum (40.5V)	12	330	555	770	780	1285
Minimum	16	130	220	305	310	510

Maximum Output 30W at the PoE Extender to permit 25.5W with 90m of Cat 6 cable.

NEC Class 2 requires a power supply unit (PSU) limited to less than 60V DC. In practice, some commercial 48V power supplies may be configured to output from 48V up to about 57V.

A range of PSU voltage outputs is represented, along with the two Powered Fiber Cable copper gauge options, with supported maximum distances in meters.

Note: PoE standard IEEE 802.3 af (IEEE 802.3at type 1) assumes 12.95W power consumption. PoE+ standard (IEEE 802.3at type 2) assumes 25.5W.

Termination Features

Termination Method Optical Multimode Input: OM3/OM4 SFP | Optical Singlemode Input: G657.A2 SFP | PoE+ Media Converter Input: Duplex OM3 | PoE+ Media Converter Input: Simplex SMF | RJ45 Connector Output: Half Duplex and Full

Usage Conditions

Installation Temperature Range -5 – 45 °C
Operating Temperature -40 – 65 °C
Storage Temperature -40 – 70 °C
Weather Resistance IP67

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification
Compliant