

# PFU-P-C-O-060-01

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## PoE Extender(1 Gbps), Universal Mount, Outdoor, 1-Port

- Environmentally sealed and tested
- Electrical power management
- Circuit protection electronics
- Optical to electrical Media Conversion
- Automatically conditions electrical voltage to the correct level
- 1 60W PoE port

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	PoE extender/Media converter

## General Specifications

<b>Data Transfer Rate, maximum</b>	1 Gb
<b>Interface, Input</b>	10GBASE-X
<b>Interface, Output</b>	10/100/1000 BASE-T
<b>Mounting</b>	Universal pole mount   Universal wall mount
<b>Total Ports, quantity</b>	3
<b>Transmission Standards</b>	10/100/1000 BASE-T   1GBASE-X
<b>Input/Output Interface</b>	2 input / 1 output

## Dimensions

<b>Height</b>	224.71 mm   8.847 in
<b>Width</b>	283 mm   11.142 in
<b>Depth</b>	77.02 mm   3.032 in

## Electrical Specifications

<b>Input Voltage Range</b>	-25 to -57 Vdc
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## Electrical Performance

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## Notes:

- This table provides a partial listing of the maximum supported hybrid cable distances for a range of NEC Class 2 power supply output voltages, hybrid cable copper gauges and extender output power levels.
- 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 40V up to about 57V.
- $P_{out}$  is the maximum total PoE extender output power.
- The 1 port and 2 port PoE extenders each provide up to 60W of total output power. **The 2 port PoE extender is limited to 30W per port; whereas the 1 port PoE extender can output the full 60W on its single port.**

PSU Output Voltage	Cable Gauge (AWG)	Max Cable Length (m) Pout = 60W	Max Cable Length (m) Pout = 45W	Max Cable Length (m) Pout = 30W	Max Cable Length (m) Pout = 15.4W	Max Cable Length (m) Pout = 7W
Maximum (57V)	12	888	1301	1886	3131	4633
	16	351	514	746	1238	1833
Nominal (48V)	12	630	922	1335	2217	3280
	16	249	365	528	877	1297
Minimum (40.5V)	12	448	630	900	1494	2211
	16	177	249	356	591	874

## Assumptions:

- Hybrid cable ambient temperature: 20°C (Underground/Ducted)
- CommScope Cat 6/6A outdoor patch cord length: 50m
- Patch cord ambient temperature: 55°C (Sunlight Exposed)

## Material Specifications

<b>Finish</b>	Powder coated, off-white
<b>Material Type</b>	Aluminum

## Environmental Specifications

<b>Installation temperature</b>	-5 °C to +45 °C (+23 °F to +113 °F)
<b>Operating Temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Environmental Note</b>	Not suitable for installation in locations where submersion in water or other liquids is possible (e.g. below grade hand hole or manhole)
<b>Environmental Space</b>	Outdoor
<b>Qualification Standards</b>	CISPR 22/FCC CFR 47   EN300386   ETSI EN 300 019-1-4   IEC 60529, IP67   IEC 60950-1   IEC 60950-22   IEC 62368   IEEE 802.3at Type 2   NEC Class 2
<b>Safety Standard</b>	CE   CSA   FCC   RCM   SELV   WEEE

## Packaging and Weights

<b>Weight, net</b>	5.08 kg   11.199 lb
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>

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ROHS Compliant

UK-ROHS Compliant

