



## 10/100/1000BaseT to 1000BaseSX/LX PoE PSE Media Converter

### Key Features

- TP Port Support IEEE 802.3at PoE<sup>+</sup>
- Compliant with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX/100BaseFX Standards
- One 10/100BaseTX Ethernet TP Port (PSE) and One 100BaseFX Ethernet Fiber Port
- TP Port can support Half/Full-Duplex, Auto-MDI/MDI-X and Auto-Negotiation
- Providing a slide switch for Full- and Half-Duplex selection on FX Port
- Multiple Fiber Connectors

### Technical Specifications

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 802.3z 1000Base SX/LX IEEE 802.3 af/at IEEE 802.3u 100BaseTX/100BaseFX
<b>Features</b>	Number of Ports:10/100/1000BaseT RJ-45 Connector with PoE/PSE 1000BaseSX/LX with Fiber Connector (Multi/Single Mode, ST/SC, LC, MT-RJ Connector)
<b>Data Transfer Rate</b>	Ethernet: 10Mbps/Half-Duplex 20Mbps/Full-Duplex Fast Ethernet: 100Mbps/Half-Duplex 200Mbps/Full-Duplex
<b>Transmission Media</b>	10BaseT Cat. 3, 4, 5 UTP/STP, up to 100 m 100BaseTX Cat. 5 UTP/STP, up to 100 m 1000BaseSX: 50/125µm or 62.5/125µm Multi Mode ST/SC-Type Fiber optic cable, up to 2 km 9/125µm or 10/125µm Single Mode Fiber optic cable
<b>Led Indicators</b>	Per Port: (TX): Link/Act, Speed, FDX/COL;(FX): Link/Act, FDX/COL Per Unit: Power
<b>Power Requirement</b>	DC 48V ~ 56V
<b>Power Consumption</b>	30 Watts (Max)
<b>Dimensions</b>	102 × 74 × 22 mm (L x W x H)
<b>Weight</b>	230 g
<b>Operating Temperature</b>	0 to 40°C
<b>Storage Temperature</b>	-20 to 90°C
<b>Humidity</b>	10 to 90% RH (non-condensing)
<b>Certifications</b>	FCC Class A, CE

Model Name	Wavelength	Media	Distance	TX Power (dBm)	RX Sensitivity (dBm)	Power Budget (dBm)
PFN-212R	850	MMF	220/550m	-9.5 ~ -4	Max. -18	8.5
PFN -212R10	1310	SMF	10 km	-9.5 ~ -3	Max. -20	10.5
PFN -212R20	1310	SMF	20 km	-9.5 ~ -3	Max. -20	10.5
PFN -212R30	1550	SMF	30 km	-9.5 ~ -3	Max. -20	10.5
PFN -212R40	1550	SMF	40 km	-4 ~ +1	Max. -23	19
PFN -212R60	1550	SMF	60 km	0 ~ +5	Max. -23	23
PFN -212R80	1550	SMF	80 km	0 ~ +5	Max. -23	23
PFN -212R100	1550	SMF	100 km	0 ~ +5	Max. -30	30

### Ordering Information

PFN -212R	10/100/1000BaseT to 1000BaseSX/LX, MM, ST
PFN -212R10	10/100/1000BaseT to 1000BaseSX/LX, SM 10 km, SC
PFN -212R20	10/100/1000BaseT to 1000BaseSX/LX, SM 20 km, SC
PFN -212R30	10/100/1000BaseT to 1000BaseSX/LX, SM 30 km, SC
PFN -212R40	10/100/1000BaseT to 1000BaseSX/LX, SM 40 km, SC
PFN -212R60	10/100/1000BaseT to 1000BaseSX/LX, SM 60 km, SC
PFN -212R80	10/100/1000BaseT to 1000BaseSX/LX, SM 80 km, SC
PFN -212R100	10/100/1000BaseT to 1000BaseSX/LX, SM 100 km, SC