RP-130GPFP

10/100/1000Base-T to SFP Gigabit PoE PSE Media Converter

RP-130GPFP is a 10/100/1000Base-T to 1000Based-SX/LX (SFP) GbE media converter, which allows two types of network segments to be connected easily and inexpensively.

Complied with IEEE802.3af Power Over Ethernet standard, this AC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data received over a TP link with –48VDC power, providing power to IEEE802.3af powered device (PD) over the existing CAT5 UTP cable. The converter includes a PD signature sensing and power monitoring features. Other features include over-current protection, under-current detection and fault protection input. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX ports for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault. FEF (Far End Fault) enables the converter to stop sending link pulse to the link partner once a loss of the fiber RX signal is encountered. Then the link partner will synchronously stop sending data. FEF prevents loss of valuable data transmitted over invalid link. Combining LFP and FEF troubleshooting features of RP-130GPFP, both end devices can be notified of a loss of fiber link.

Features

- IEEE802.3af PoE (Power over Ethernet) PSE compatible
- PSE MDI power enable/disable
- Supports LFP (Link Fault Pass-through) and FEF (Far End Fault)
- Supports one 10/100/1000Base-T Gigabit Ethernet UTP port and one 1000Base-SX / LX (SFP) Gigabit Ethernet Fiber port
- Supports 802.3x flow control for full-duplex ports and backpressure for half-duplex ports
- Supports auto mode on the TP port
- DIP switch to set configurations
- Supports jumbo frame (Normal Mode: 2KB, Cut-Through Mode: 9KB)

Specifications

Standards	• IEEE802.3 10Base-T, IEEE802.3u 110ase-TX, • IEEE802.3z/ab 1000Base-T, • IEEE802.3x full-duplex flow control, • 1000Base-SX/LX
Interface	• 10/100/1000Base-TX: STP RJ-45, Auto-Negotiation, Auto-MDIX • 1000Base-SX/LX: SFP slot
Cable	• UTP: Cat. 5 cable and up to 100m • Fiber: 1000SX: 50/125, 62.5/125, or 100/140μm multi-mode 1000LX: 8.3/125, 8.7/125, 9/125 or 10/125μm single-mode
Data Transfer Rate	• 2000Mbps/full-duplex
PoE	• IEEE802.3af PoE PSE, End-Span via TP pin 1, 2, 3, 6 • Over-current protection , Under-current detection • Minimum load sensing , Fault Protection Input • PSE MDI power enable/disable
DIP switch	• DIP 1: LFP/LFP DIS • DIP 2: PoE/PoE DIS • DIP 3: Bridge Mode/Cut Through Mode
Jumbo frame	• Normal Mode: 2KB • Cut-Through Mode: 9KB
LED Indicators	• FX LNK/ACT(Green), TP LNK/ACT(Green), PWR(Green) • TP SPD (1000M Green; 100M Yellow) • PoE PSE-TP(Green: PoE is active; Red: PoE is disrupted) • 4W, 7W,15.4W(PD Class Type, Green)
Power Consumption	• 19W
Power Supply	• Internal Power supply 100~240VAC, 50/60Hz
Environment	• Operating Temperature: 0°C to 50°C • Operating Humidity: 5% to 90% (Non-Condensing)
Dimension	• L158 * W133 x H40 mm
Certification	• FCC, CE

Ordering Information

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