The Advanced Networking Technology

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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 1000Base-TX: STP RJ-45, Auto-Negotiation, Auto-MDIX Interface 10/100/1000Base-TX: STP RJ-45, Auto-Negotiation, Auto-MDIX 1000Base-SX/LX: SFP slot 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 1: LFP/LFP DIS DIP 2: PoE/PoE DIS DIP 2: PoE/PoE DIS DIP 3: Bridge Mode/Cut Through Mode Utth/ACT (Green), TP LNK/ACT (Green), PWR(Green) TF 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 Supply Power Supply Internal Power supply 100-240VAC, 50/60Hz Environment Operating Temperature: 0°C to 50°C Operating Temperature: 0°C to 50°C Operating Temperature: 0°C to 50°C		
IEEE802.3x full-duplex flow control, 1000Base-SX/LXInterface10/100/1000Base-TX: STP RJ-45, Auto-Negotiation, Auto-MDIX 1000Base-SX/LX: SFP slotCableUTP: 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-modeData Transfer Rate2000Mbps/full-duplexPoEIEEE802.3af 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/disableDIP switchDIP 1: LFP/LFP DIS DIP 2: PoE/PoE DIS DIP 3: Bridge Mode/Cut Through ModeJumbo frameNormal Mode: 2KB Cut-Through Mode: 9KBLED IndicatorsFX 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 Consumption19WPower SupplyInternal Power supply 100-240VAC, 50/60Hz Environment Operating Humidity: 5% to 90% (Non-Condensing)DimensionL158 * W133 x H40 mm	Standards	
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Interface• 10/100/1000Base-TX: STP RJ-45, Auto-Negotiation, Auto-MDIX • 1000Base-SX/LX: SFP slotCable• 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-modeData Transfer Rate• 2000Mbps/full-duplex • DeEPoE• 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/disableDIP switch• DIP 1: LFP/LFP DIS • DIP 2: PoE/PoE DIS • DIP 3: Bridge Mode/Cut Through ModeJumbo frame• Normal Mode: 2KB • Cut-Through Mode: 9KBLED 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 SupplyInternal Power supply 100~240VAC, 50/60Hz • Operating Temperature: 0°C to 50°C • Operating Humidity: 5% to 90% (Non-Condensing)Dimension• L158 * W133 x H40 mm		IEEE802.3x full-duplex flow control,
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LED Indicators• Cut-Through Mode: 9KBImage: 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• 19WPower Supply• Internal Power supply 100~240VAC, 50/60HzEnvironment• Operating Temperature: 0°C to 50°C • Operating Humidity: 5% to 90% (Non-Condensing)Dimension• L158 * W133 x H40 mm		DIP 3: Bridge Mode/Cut Through Mode
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		Operating Humidity: 5% to 90% (Non-Condensing)
Certification _ ECC_CE	Dimension	• L158 * W133 x H40 mm
	Certification	• FCC, CE

Ordering Information

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