

RP-130PSC | RP-130PC20

10/100TX to 100FX PoE Media Converter

RP-130P is a 10/100Base-TX to 100Base-FX 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/DC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data received over a fiber optic link with -48VDC power, providing power to IEEE802.3af powered device (PD) over the existing CAT 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-130P, both end devices can be notified of a loss of fiber link.



Feature

- IEEE802.3af PoE (Power over Ethernet) PSE compatible
- 10/100Base-TX UTP to 100Base-FX fiber media conversion
- Over-current protection
- Under-current detection
- Minimum load sensing
- Fault Protection Input
- PSE MDI power enable/disable
- LFP(Link Fault Pass-through) and far end fault
- DIP switch to set configurations

Specification

Standards	<ul style="list-style-type: none">• IEEE802.3u 10/100Base-TX, 100Base-FX• IEEE802.3af
Interface	<ul style="list-style-type: none">• 10/100Base-TX: STP RJ-45• 100Base-FX: MM SC, SM SC
Cable	<ul style="list-style-type: none">• 8.3/125, 8.7/125, 9/125, 10/125um (supports distance up to 100km)
Data Transfer Rate	<ul style="list-style-type: none">• 100Mbps 148,800 PPS• 10Mbps 14,880 PPS
Flow Control	<ul style="list-style-type: none">• IEEE802.3x for full-duplex• Backpressure flow control for half-duplex
LED Indicators	<ul style="list-style-type: none">• FX Link/Act, FX FDX/Col, TX Link/Act, TX 100, PSE Power Good, PSE Power Bad, Power
Power Consumption	<ul style="list-style-type: none">• 24W
Power Supply	<ul style="list-style-type: none">• Internal Power supply 100~240VAC, 50/60Hz
Environment	<ul style="list-style-type: none">• Operating Temperature: 0°C to 50°C• Operating Humidity: 5% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none">• 40 * 158 * 133mm
Certification	<ul style="list-style-type: none">• FCC, CE

Ordering information

- RP-130PSC** 10/100TX to 100FX PoE Media Converter (MM/SC-2km)
RP-130PC20 10/100TX to 100FX PoE Media Converter (SM/SC-20km)