

DIREKTRONIK

Overview

Item	Media Converter
Model No.	20101087 & 20101089 & 20101100
Description	10/100/1000Base-T (POE) to 100/1000Base-X
	

Direktronik's series POE Media Converter is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, alarms, traffic controllers, sensors and tracking devices, which is located 100M far from the PSE converter, which support IEEE802.3af/at.

The Media converter features a 100/1000Base-X fiber port and a 10/100/1000Base-TX twisted-pair port; flexible application for 100M or 1000M fiber optic network, easily upgrade from 100M into 1000M fiber network by changing SFP transceiver only.

Features

- IEEE 802.3af/at, PSE complaint
- Support LFP (Link-fault-pass-through) function
- Support 16K Jumbo Frame
- Flow Control for Video Application
- Support 100/1000Base-X by Dip-Switch
- RJ45 support auto MDI/MDI-X function
- Copper port support 10/100/1000M Auto-negotiation speed, half/full-duplex
- Support Ethernet ESD protection
- Desk-top and Wall- Mounted Installation (with kits)

Technical Specifications

Model No.	20101087	20101089 & 20101100
Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3af/at POE (PSE Compliance)
Performance	Processing Type: Store and Forward, Cut-through Operation Mode: Full/Half duplex mode Back Bandwidth: 4.0Gbps MAC Address table: 16Kbit Packet Buffer Size: 1Mbit Time Delay: <10us Jumbo Frame: Max.16K	
Copper Port	10/100/1000Base-T with PoE+, RJ45, 100m Non-POE Cat5 UTP cable	10/100/1000Base-T RJ45, 100m POE PIN: 1/2/3/6 Cat5 UTP cable
Fiber Port	100/1000Base-X SFP Slot Fiber Cable: Single-mode, 8.3/125, 8.7/125, 9/125, 10/125µm	
LED indicators	PWR, FL/A, TL/A, GX, GE	PWR, POE, FL/A, TL/A, GX, GE
Dip-Switch	1- ON Enable Link Fault Pass-Through 2- ON 16K Jumbo Frame 3- ON Flow control enable 4- ON FX Speed 100Mbps	OFF Disable Link OFF Store and Forward OFF Flow control disable OFF FX Speed 1000Mbps
Power	Working Voltage: 5~12VDC Power Consumption: ≤3W (un-loaded) Connector: DC Socket	Working Voltage: 48~56VDC Power Consumption: ≤3W (un-loaded) Connector: DC Socket
Environment	Operating temperature: -20~70°C Relative Humidity: 5-95% (no condensation)	
Physical Characteristics	Installation: Desk-top / Wall-Mounted Dimension: 94*70*26mm Weight: 0.45KG	Installation: Rack-Mounted, Wall-mounted Dimension: 94*70*26mm Weight: 0.4KG

Order Information

Part No.	Description
2010101089	10/100/1000M PSE, Ext. AC-DC52V1A (Default) for IEEE802.3af, 15,4W
2010101100	10/100/1000M PSE, Ext. AC-DC52V1.25A (Optional) IEEE802.3af/at, 30W
2010101087	10/100/1000M, Ext. AC-DC5V1A