

J10GA101-P

1x 10/100/1000/10GBase-TX to 1x 10GBase-FX SFP+ Port Unmanaged
10g Ethernet Fiber Media Converter



FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3ab ,IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3x full-duplex flow control
- 1x 1x 10/100/1000/10GBase-TX
- 1x 1x 10GBase-FX
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- 5V DC universal power supply
- Extends fiber distance up to Based on SFP Spec
- Operating Case Temperature : 0~50

Application

- Network Communication
- FTTH/FTTB/FTTx
- ISP Backhaul Networking

OVERVIEW

J10GA101-P provides a cost effective conversion from 1x 10/100/1000/10GBase-TX to 1x 10GBase-FX interfaces to overcome the 100 meter distance limitations of copper cables in traditional networks . It allows the installation of fiber cabling anywhere with a Ethernet network topology by directly connecting to existing devices. Its compact design makes deployment quick and easy in a narrow desktop location to save space.

SPECIFICATIONS

Data Rate	10/100/1000/1000Mbps
Device Type	Unmanaged
Form Factor	Stand-alone

Interface Characteristics

Copper Interface	1x 10/100/1000/10GBase-TX
Fiber Interface	1x 10GBase-FX
Wavelength	Based on SFP Spec
Media	Based on SFP Spec
Distance	Based on SFP Spec
Connector	SFP+ Port
LED indicators	PWR (power supply); FL/A (optical link/action) FDX (FX full duplex), TL/A (twisted pairs link/action) 100 (100M transmission rate of twisted pairs), 1000 (100M transmission rate of twisted pairs)

Technology

Standards and Protocols	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3x full-duplex flow control
Processing Type	Store and Forward

Flow Control	Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
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Power

Power Input	DC 5V
Power Consumption	<4.5W

Switch Properties

Delay	<20μs
Buffer space	128K
MAC address table	8K

Physical

Casing Mat.	Cold Rolled Steel
Dimensions	External: 94mm x 70mm x 26mm Internal: 140mm x 110mm x 30mm
Installation	Standalone or Rack mount
Environmental	Operating temperature : -10~55°C Storage Temperature:-40~85°C Relative Humidity:5% to 95% non-condensing

Regulatory

ISO	Manufactured in ISO-9001 facility
Safety & Emission	CE , FCC, RoHS

Realiability

MTBF	50,000Hrs
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Mechanical Dimensions

140mm x 110mm x 30mm(LxWxH)

