

APOLLO 21 GIGABIT MEDIA CONVERTORS

Apollo 5 Series Gigabit Fibre Media Converters can convert Optical—Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fibre interface (FX). The traditional 10/100/1000M gigabit Ethernet can be extended to the distance of 100km through an optical fibre link. It possesses stable performance and good quality by adopting latest IC packages. 6 Group LED indicated lights can fully monitor the working conditions the media convertor. It is easy for end-users to observe network operation. Apollo 5 Series Gigabit Converters can be used alone alternatively they can be produced in the form of a Converter Card to be inserted to a 16 slot rack unit. The Apollo 5 Media Converter series are suitable for use in a Data Network Centre.



Main Features

- Auto negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex.
- The UTP port supports the connection of MDI/MDI-X auto crossover.
- Multimode Fibre: the max distance up to 2km
- Singlemode Fibre: the max distance up to 100km
- Supporting the max 1536 byte Ethernet packet
- Supporting flow control
- Adopting internal power supply

Technical Specifications

- Operating standards: IEEE802.3z/AB, 1000Base-T and 1000Base-SX/LX
- MAC address table: 4K
- Data Buffer: 256K
- Connector: UTP: RJ-45, 10/100/1000Mbps; Fibre: SC, 1000Mbps
- Cable :
- UTP cable: Cat 5e or Cat 6 (the max distance up to 100m)
- Fibre : multimode : 50/125, 62.5/125 μ m (the max distance up to 2km)
 - singlemode : 8.3/125, 8.7/125, 9/125 μ m (the max distance up to 100km)
- Flow control : Full Duplex: IEEE802.3x
 - Half Duplex: back pressure.
- Power: AC 220V(170-260V) 50Hz; DC 5V, 2A
- Ambient temperature: 0 ~ +50 $^{\circ}$ C
- Storage temperature: -20 ~ +70 $^{\circ}$ C
- Humidity: 5% ~ 90%
- Dimensions: 40 (high) x 110 (width) x 140 (length) mm

Fibre Information

Type	Connector	Fibre type	Max. distance	Wavelength	TX power	Sensitivity	Link Budget
APOLLO21A	SC	Multimode	2km	850nm	-11~-3dBm	-18dBm	7dBm
APOLLO21B	SC	Multimode	2km	1310nm	-11~-3dBm	-20dBm	10dBm
APOLLO21C	SC	Singlemode	20km	1310nm	-10~-3dBm	-21dBm	11dBm
APOLLO21D	SC	Singlemode	40km	1310nm	-4~-0dBm	-25dBm	21dBm
APOLLO21E	SC	Singlemode	60km	1310nm	-0~3dBm	-26dBm	26dBm
APOLLO21F	SC	Singlemode	80km	1550nm	-2~2dBm	-26dBm	24dBm
APOLLO21G	SC	Singlemode	100km	1550nm	1~3dBm	-27dBm	28dBm