

GbE Media Converter Solution

AMC230S Series



- **Converts CAT5 to optical fiber**
- **Supports IEEE802.3U and IEEE802.3z**
- **1000Base-Tx/Fx protocol**
- **Full duplex and half duplex**
- **Automatic identification of MDI/MDI-X cross line**
- **Internal and external power supply available**
- **LED display**
- **Up to 500 m (multi-mode)**
- **Up to 120 km (single-mode)**

ACT AMC230S Series Gigabit Ethernet Media Converter is an economical series of high-performance converters that comply with IEEE 802.3 standards. AMC230S converters can supervise and configure in real time the situation of remotely manageable fiber media converters.

This converter can be used as a standard alone unit in point to point applications with external power supply modules or a plug-in module to fit the AMC 19-inch converter chassis with 14 slots to save space, and capital expenditure.

AMC230S converters are compatible with various SFPs for different applications. The platform provides high-density ports to allow operators to quickly and easily expand existing networks and services.

AMC230S series offers compatibility with all existing Ethernet or Fast Ethernet devices in a network and provides high-performance data transmission with seamless cooperation with ACT routing and switching products

Key Features

- Standard Protocol: IEEE802.3 10 Base-T standard
- IEEE 802.3u 100Base-TX and IEEE802.3z standard
- Built in high efficiency SRAM for packet buffer, with 1K-entry lookup table and 4-way associative hash algorithm
- Half duplex: back pressure flow control
- Full duplex: IEEE802.3x flow control
- Automatic identification of MDI/MDI-X cross line
- Support jumbo packet 9K Bytes
- Both external and internal power supply are available
- Fiber connector: Choice from SC, ST, FC or LC connector for multimode and single mode and SFP for inserting
- LED display for easy monitoring of device status
- Transmission distance can reach 500 m for multimode and 120 km for single mode
- Can be rack mounted in 14-slot chassis (external power supply)

Application Diagram



Specifications

Item	Description
1000Base-SX/LX Optical Interface	
Optical Connector	LC or SC(Wdm)
International Standard	IEEE802.3z, 1000Base-SX/LX
Transmission Distance:	Multi-mode fiber: can reach 550 meters Single-mode fiber: can reach 10-80Km
10/100/1000Base-TX Interface	
Interface	10/100/1000Base-T, RJ45
International Standard	IEEE802.3u, 10/100Base-TX IEEE802.3ab 1000Base-T 10/100/1000M auto-negotiation supporting auto-MDI/MDIX
Power Supply	Working voltage range wide, good anti-disturb and Isolation, work stable. option I – DC-48V,range DC-36V~DC-72C option II – AC220V,range AC96V~AC240V
Power Consumption	<=5 Watts
Environment Condition	Operating temperature: 0°C to +50°C Storage temperature: -20°C to +70°C Relative temperature:95% (uncondensed)
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Dimension	210mm(L) × 140mm(W) × 30mm(H)

Ordering Information

Product Name	Product Description
AMC230S-GE-P-AC	AMC230 Standalone GE Media Converter, SFP slot, 10/100/1000 Base-TX/SX/LX Bridge Converter, SFP not included, AC PS 220V
SFP/SFP+ Accessories	
SFP-AGLP-3155-10	SFP Plug-in, 1Gbps,10km, BIDI, TX=1310nm, RX=1550nm, LC/PC
SFP-AGLP-5531-10	SFP Plug-in, 1Gbps, 10km, BIDI, TX=1550nm, RX=1310nm, LC/PC

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