

GbE Media Converter Solution

AMC200 Series

- 10/100 Mbps port with full/half-duplex autonegotiation
- IEEE802.3 10Base-T
- IEEE802.3u/100Base-TX/FX
- IEEE802.3x flow control
- 155 Mbps memory bandwidth
- Automatic identification of MDI/MDI-X cross-line
- Complies with FCC, 15 CLASSA, RoHS, and CE MARK



AMC200 Series Gigabit Ethernet Media Converter is an economical series of high-performance converters that comply with IEEE 802.3 standards. AMC200 GE converters transforms the transmission media of Ethernet signal from CAT5 to optical fiber. It can extend the transmission distance from a few hundred meters to hundred kilometers.

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

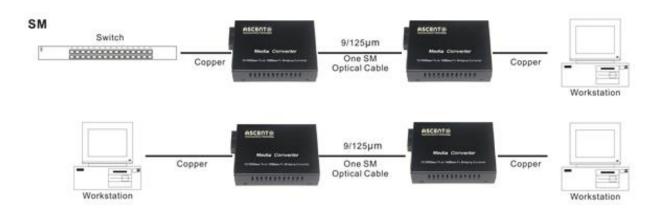
AMC200 converters are compatible with various SFPs for different applications. The platform provides high-density ports to allow operators to quickly and easily expand existing networks and services. AMC200 series offers compatibility with all existing Ethernet or Fast Ethernet devices in a network and provides high-performance data transmission with seamless cooperation with ACT routing and switching products



Key Features -

- Complies with IEEE 802.3 10 Base-T standard.
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard
- Complies with IEEE 802.3X standard
- 10/100/ Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- Twisted-pair connector: NODE/HUB or SWITCH (5 class UTP)
- Back pressure flow control for full/half duplex IEEE802.3X
- Automatic identification of MDI/MDI-X cross-line
- High-performance 155 Mbps memory bandwidth
- Complies with FCC, 15 CLASS A, RoHS, and CE MARK

Application Diagram





LED Indicator Lamps -

LED indicator lamp	Status	Explanation
FX Link/Act	On	Connection status display for fiber link.
		"ON" indicates that Fiber link is in correct connection.
	Blink	Active status display of fiber link
		"Blink" indicates packet goes through Fx end.
TP Link/Act	On	Connection status display for electric link.
		"ON" indicates that electric link is in correct connection.
	Blink	Active status display of electric link
		"Blink" indicates packet goes through Tx end.
DUP	On	Transceiver works in the full duplex mode.
	Off	Transceiver works in the half duplex mode.
PWR	On	Power is on and normal.
SD	On	Fiber signal is detected.
100	On	Transfer rate of electric interface is 100 Mbps.
	Off	Rate of electric interface is 10 Mbps

Specifications -

Parameter Specifications

Standard Protocol IEEE802.3 10 Base-T standard

IEEE802.3u 10/100Base-TX/FX standard

IEEE 802.3d standard. IEEE 802.3Q standard.

Bandwidth RJ 45 Port: 10/100 Mbps

Optical Port: 155Mbps

Operation Mode Full /Half duplex mode

Connectors UTP: RJ-45

Fiber connector: SC/ST/FC

Operation Mode Full /Half duplex mode

LED Indicators POWER, FPL, 10/100, FRX, TRX, FDX.

Power Supply

Internal AC: 110 V_{AC} to 250 V_{AC} / 50 Hz

DC: -48 V_{DC}

External DC-5V Power Consumption ≤5W

Environmental Parameters

Work Temperature 0 °C to 50 °C Storage Temperature -40 °C to 70 °C

Humidity 5 % to 90 % (non-condensing)

TP Cable Cat5 UTP cable (max distance: up to 100 m)

Fiber Cable 8.3/125, 8.7/125, 9/125, 10/125 μ m (max distance: 20 km to 120 km)



50/125, 62.5/125 μm (max distance: 2 km to 5 km)

MTBF 100,000 hours

Dimensions (L × W × H) 115 mm × 77 mm × 26 mm (card type without metal box)

94 mm × 70 mm × 25 mm (external power supply) 140 mm × 110 mm × 30 mm (internal power supply)

Ordering Information

Product Name Product Description

AMC220-GE-D-US-25-AC AMC220 GE Media Converter, Single Mode, Dual Fiber, 1310RX/1310TX, 20KM

10/100/1000 Base-TX/SX/LX Bridge Converter, SC/UPC, AC Power

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