ASCENT
Communication Technology

Gigabit Industrial Media Converter

AMC200 Series

- **1 x10/100/1000Base-TX RJ45 ports, 1 x1000Base-FX ports**
- **Auto-MDIX, and full/half duplex self-negotiation mode**
- **8K MAC address table**
- **10K bytes giant frame**
- **IPv6 Protocol**
- **Power input polarity protection design**
- **DIN-rail and wall mounting**

Ascent's AMC201E is a new generation power over Ethernet Industrial media converter with 1-Port 10/100/1000Base-TX and 1-Port 1000Base-FX that provide stable and reliable Ethernet transmission, with high quality design and reliability.

It provides Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, AMC201E can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75°C.

Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Key Features

- 1 x10/100/1000Base-TX RJ45 ports, 1 x1000Base-FX ports

- Support Auto-MDIX, and full/half duplex self-negotiation mode

- Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission

- Support 10K bytes giant frame, compatible with various extension protocol

- 8K MAC address table

- Support IEEE802.3az energy efficient Ethernet technology

- Support IPv6 Protocol

- Electric 4KV surge protection, easy to use in outdoor environment

- Complete status indicator, working state at a glance

- Power input polarity protection design, no worry about wrong operation

- Metal case, no fan design

- Installation method: DIN trail /Wall mounting

Specifications

Item	Description
Physical Port	
RJ45 Port and Speed	1x10/100/1000Base-TX
Fiber Port and Speed	1x1000Base-FX
	Transmission distance:
	Multi-mode: 550meter
	Single-mode, 25KM, 40KM,60KM,80KM (optional)
Parameters	
Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab
	IEEE802.3x IEEE802.3az IEEE802.3ah IEEE802.1X
	IEEE802.1Q
Packet Buffer	2Mbits
Maximum Packet Length	Up to10k Bytes
MAC Address Table	8K
Transmission Mode	Store and Forward (full/half duplex mode)
Exchange Property	Delay time: < 7ps
	Backplane bandwidth: 1Gbps
	Packet forwarding rate: 148810 (64Byte)
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
	Speed light: 1000Mbps-always; 10/100Mbps-off
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	
Power Access Mode	Phoenix terminal, DC seat
Redundant Power Input	DC 9 - 56V
Overload Protection	Yes
Power Reverse	Support
Power Consumption	Full-load <15W
Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	120mm x90mm x 35mm (L x W x H)
Installation mode	DIN trail/wall-mountable
Weight	370g

Item	Description
Working Environment	
Operating Temperature	-40 °C to 75 °C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40 °C to 85 °C
Warranty	
MTBF	500,000 hours
Defects Liability Period	3 year warranty, lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A,EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety Grade	EN60950-1

Ordering Information

Product Name	Product Description
AMC201-FI-20	GE fiber media converter,1-Port 10/100/1000Base-TX and 1-Port 1000Base-FX,SC, dual fiber 20KM, DC 48V, industrial level

Contact Information

Ascent Communication Technology Ltd

AUSTRALIA
140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

Hong Kong SAR
Room 1210, 12th Floor, Wing Tuck Commercial
Centre 181 Wing Lok Street, Sheung Wan , Hong Kong SAR
Phone: +852-2851 4722

CHINA
Unit 1933, 600 Luban Road
200023, Shanghai, CHINA
Phone: +86-21-60232616

USA
2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1 203 350 9822

EUROPE
Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

VIETNAM
11th Floor, Hoa Binh Office Tower
106 Hoang Quoc Viet Street, Nghia Do Ward
Cau Giay District, Hanoi 10649, VIETNAM
Phone: +84-24-37955917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com