

10G Media Converter Solution

AMC330S Series



- **Marvell chipset**
- **Converts between Ethernet electrical signal and optical signal**
- **Compliant with IEEE802.3 standards**
- **Up to 100km**
- **Isolation protection**
- **Data security**
- **Working stability**
- **Easy to install**
- **Easy for maintenance**

Ascent's AMC330S Series 10 Gigabit Ethernet Media Converter is an economical series of high-performance converters that comply with IEEE 802.3 standards.

AMC330S converts between short-distance twisted pair 10GBase-TX and 10GBase-FX optical signals. They are compatible with various SFP+ modules for different applications. The platform provides high-density ports to allow operators to quickly and easily expand existing networks and services.

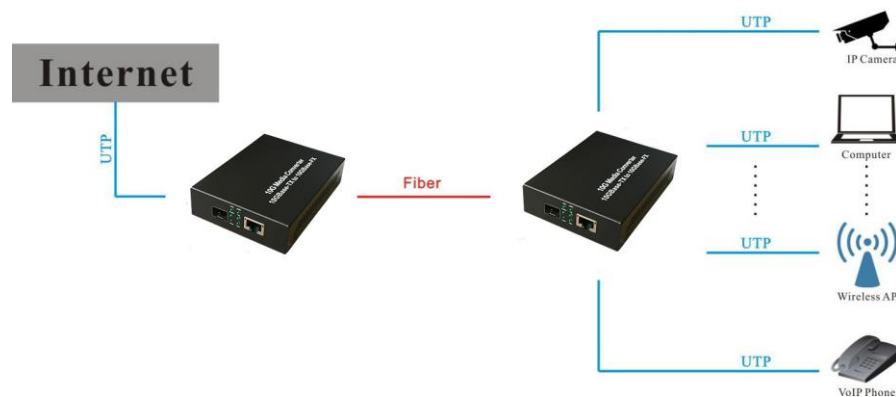
This AMC330S converter can be used as a standard alone unit in point to point applications with external power supply modules or a plug-in module to fit the AMC 19-inch converter chassis with 14 slots to save space, and capital expenditure.

AMC330S 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

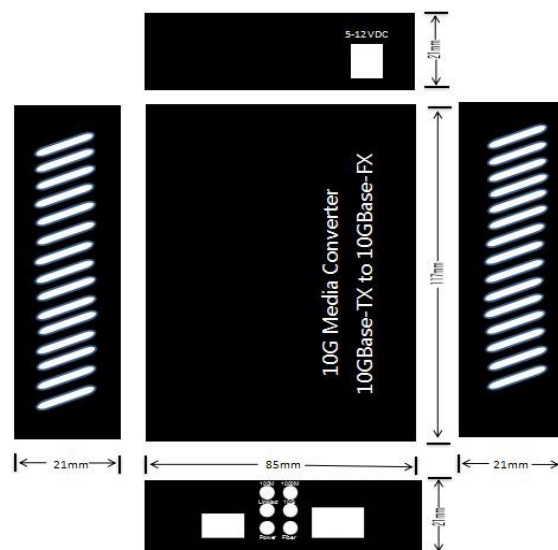
Key Features

- Marvell chip ensures non-blocking data transmission, security, and stability
- Supports 10Gbase-T to 10Gbase-SR/LR/ER/ZR on the Ethernet port
- Support 3R (balanced amplification, clock extraction, integral regeneration) function on the fiber port to ensure small data jitter
- Low latency on the data transmission
- Support various wavelengths including 850 nm, 1310 nm, 1550 nm and CWDM/DWDM under ITU-T rule
- Supports Jumbo Frame

Application Diagram



Outline Diagram



Specifications

Item	Description
Standards	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
	IEEE802.3z 10GBase-SX/LX
Certifications	IEEE802.3x Flow control
	IEEE802.1q VLAN
	IEEE802.1p QoS
	IEEE802.1d Spanning Tree
Ethernet Port	CCC, CE, FCC, RoHS
	Connector: RJ45
	Data Rate: 10G
	Distance: 100 m
Fiber Port	UTP Type: UTP-5E or higher level
	Connector: SFP slot
	Data Rate: 10Gbps
	Optical Wavelength: 850 nm/1310 nm/1490 nm/1550 nm
Performance	Optical Fiber Type: single-mode 9/125 μ m; multi-mode 50/125 μ m, 62.5/125 μ m
	Distance: 550 m to 100 km
	Processing Type: Store and Forward
	Transmission Mode: Full/half-duplex auto-adaptive
Power	MAC Table Size: 2K
	Buffer Space: 1 Mbit
	Time Delay: <20 μ s
	Power type: external power supply
Environment	Input Voltage: 100 V _{AC} to 240 V _{AC} 50/60 Hz
	Connector: DC socket
	Working Voltage: 5 V 4 A & 12 V
	Power Consumption: 0.75 W to 3 W
Warranty	Storage Temperature: -40 °C to 70 °C
	Operating Temperature: -10 °C to 55 °C
	Relative Humidity: 5-90 % (non-condensing)
	1 year
Physical Characteristics	Dimensions: 117 mm × 85 mm × 21 mm
	Weight: 0.1 kg
	Color: metal, black

Ordering Information

Product Name	Product Description
AMC330S-10GE-P-US	AMC330 Standalone 10GE Media Converter, SFPP slot, 10GBase-SX/LX Bridge Converter, SFPP not included

Contact Information



Ascent Communication Technology Ltd

AUSTRALIA

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

CHINA

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

EUROPE

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

HONG KONG SAR

Unit 9, 12th Floor, Wing Tuck Commercial Centre
177 Wing Lok Street, Sheung Wan, HONG KONG
Phone: +852-2851 4722

USA

2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1-203 816 5188

VIETNAM

15 /F TTC Building, Duy Tan Street
Cau Giay Dist., Hanoi, VIETNAM
Phone: +84 243 795 5917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

Specifications and product availability are subject to change without notice.
Copyright © 2018 Ascent Communication Technology Limited. All rights reserved.
Ver. ACT_AMC330S_10GE Media_Converter_Datasheet_V1b_Jul_2018