

10/100/1000Base-T to 1000Base-SX/LX Gigabit Media Converter

For the flexibility with all kind 10/100/1000Mbps Ethernet Media on RJ-45 port and high stable Gigabit fiber performance. 3c-Link release the 3C-DU-1000-85-0.55, 3C-DU-1000-13-10, 3C-MC-1000-SFP and 3C-WDM-1000-35/53 series of Media Converters supports conversion between 10/100/1000Base-T and 1000Base-LX/SX network, there are SC/SFP/WDM connectors with single-mode or multi-mode media as required. The Ethernet signal allows three types of segments to connect easily, efficiently.

To centralize the fiber-optic network installation, the 10/100/1000M Media converter with compact design can be used as standalone unit as well as being installed to the media chassis such as the 3C-LINK 3C-MC-R14, 14-slot Media Converter Chassis. These media chassis can assist in producing the power for 3C-Link 10/100/1000 Media Converter to maintain the fiber-optic network at one location

As the Gigabit Media Converter fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX/SX, the Gigabit media conversion installation is quite quick

and easy by simple plugging and playing feature. also supports flow control and back pressure in half-duplex to eliminate packets loss

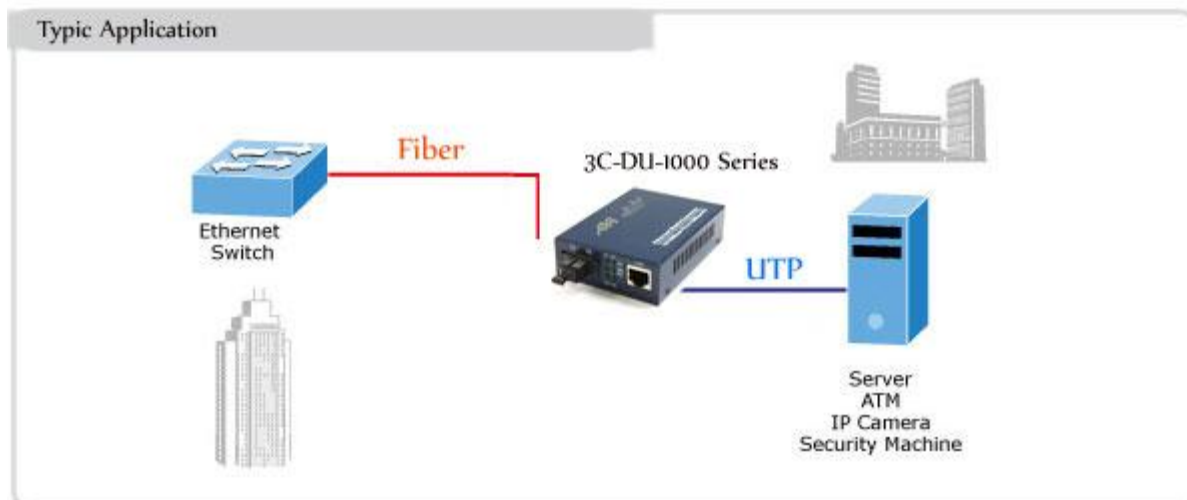
Key Feature

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- TP port supports 10/100/1000Base-T auto-negotiation and auto-MDI/MDI-X
- 1000Base-SX: 50/125 μ m or 62.5/125 μ m multi-mode fiber cable, up to 220/550m (3C-DU-1000-85-0.55)
- 1000Base-LX: 9/125 μ m single-mode cable provides long distance for 10km (3C-DU-1000-13-10)
- 1000Base-LX WDM interface for up to 15km single-mode fiber (9/125 μ m) on 3C-WDM-1000-35-10& 3C-WDM-1000-53-10
- 1000Base-LX WDM interface for up to 60km (single-mode fiber 9/125 μ m) on 3C-WDM-1000-35-60& 3C-WDM-1000-53-60
- 1000Base-T: 4-pair Cat. 5e/6 UTP cable, up to 100 meters
- Layer 2 key Feature:
 - IEEE 802.3x Full-Duplex Flow-Control and Back-Pressure in Half-Duplex eliminate the loss of packets
 - Support auto MDI/MDI-X function
 - Store-and-Forward mechanism
 - Non-blocking full wire-speed forwarding rate
- Media conversion between 10/100/1000Base-T and 1000Base-SX/LX
- Fiber media allows:
 - Multi-mode fiber using SC/LC/WDM connector
 - Single-mode fiber using SC/LC/WDM connector
- Compact size for working with 3C-LINK Media Chassis(3C-MC-R14)
- LED indicators for easy network diagnose
- Compact in size, easy installation
- Choice of fiber-connector from SC, LC and WDM multi-mode /single-mode fiber for 1000Base SFP interface

Specification

Products	Gigabit Ethernet Media Converter				
Model	3C-DU-1000-85-0.55	3C-DU-1000-13-10	3C-MC-1000-SFP	3C-WDM-1000-35-10	3C-WDM-1000-53-10
Standards	IEEE 802.3, 10Base-T IEEE 802.3u, 100Base-TX IEEE 802.3ab, 1000Base-T IEEE 802.3z, 1000Base-SX/LX				
Ports	1 x 10/100/1000Base-T port, 1 x 1000Base-SX/LX port				
Copper Interface	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair				
Optic Interface	SC/ST	SC/ST	LC/SC	SC/ST	SC/ST
Optic Wavelength	850nm	1310nm	All 1.25G SFP Transceiver	1310nmTX/1550nmRX	1550nmTX/1310nmRX
Speed	10/20Mbps for Half/Full Duplex 100/200Mbps for Half/Full Duplex 1000/2000Mbps for Half/Full Duplex				
UTP Cable	10Base-T: 2-pair UTP Cat. 3,4,5, up to 100 m 100Base-TX: 2-pair UTP Cat. 5, up to 100 m 1000Base-T: 4-pair STP Cat 5 up to 100m				
Fiber Cable	50/125µm or 62.5/125µm multi-mode fiber cable, up to 220/550m. 9/125µm single-mode cable, provides long distance for 10/15/20/30/40/50/60/70/120km (very on fiber transceiver or SFP module)				
LED Indicator	PWR TP LINK/ACT, 1000 Fiber LINK/ACT				
Power Consumption	4.0 Watts(Max)				
Power Input	DC 5V/1.5A				
Dimensions (W x D xH)	26 x 70 x 97 mm				
Operator Environment	Operating temperature: 0 to 50 degree C; Humidity: 5~90% non-condensing				
Storage Environment	storage temperature: -40 to 70 degree C; Humidity: 5~90% non-condensing				

Application



Order Information

3C	-	X	-	X	-	X	-	X	-	X
		Type	-	Data rate		Wave Length		Distance		Support Chassis
		WDM		100=10/100M		85=850nm		20=20Km		R14
		DU		1000=10/100/1000		13=1310nm		40=40Km		R16
						15=1550nm				R16M
						35=1310T/1550R				R16SM
						53=1550T/1310R				
						45=1490T/1550R				
						54=1550T/1490R				

For Example:

We need 10/100/1000 , 1310nm, Dual Fiber ,10km
The Model is 3C-DU-1000-13-10



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