



3C-WDM-1000-35-15(Type A)

3C-WDM-1000-53-15(Type B)

10/100/1000M SINGLE FIBER MEDIA CONVERTER, 15KM

20100425-1189

# 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-WDM-1000 of Media Converters supports conversion between 10/100/1000Base-T and 1000Base-LX/SX network, there are SC connectors with Single-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-ZX, 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/ZX
- TP port supports 10/100/1000Base-T auto-negotiation and auto-MDI/MDI-X
- 1000Base-ZX: 9/125μm multi-mode fiber cable, up to 60 Km (3C-WDM-1000-35/53-60)
- 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/ZX
- Fiber media allows:
  - Multi-mode fiber using SC/LC/WDM connector
  - Single-mode fiber using SC/LC/WDM connector
- Compacts 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

<b>Products</b>	Gigabit Ethernet Media Converter
<b>Model</b>	3C-WDM-1000-35/53-15
<b>Standards</b>	IEEE 802.3, 10Base-T IEEE 802.3u, 100Base-TX IEEE 802.3ab, 1000Base-T IEEE 802.3z, 1000Base-SX/LX
<b>Ports</b>	1 x 10/100/1000Base-T port, 1 x 1000Base-ZX port
<b>Copper Interface</b>	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair
<b>Optic Interface</b>	SC/ST
<b>Optic Wavelength</b>	1310/1550nm
<b>Speed</b>	10/20Mbps for Half/Full Duplex 100/200Mbps for Half/Full Duplex 1000/2000Mbps for Half/Full Duplex
<b>UTP Cable</b>	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
<b>Fiber Cable</b>	9/125 $\mu$ m single-mode fiber cable, up to 60km
<b>LED Indicator</b>	PWR TP LINK/ACT, 1000 Fiber LINK/ACT
<b>Power Consumption</b>	4.0 Watts(Max)
<b>Power Input</b>	DC 5V/1.5A
<b>Dimensions (W x D xH)</b>	26 x 70 x 97 mm
<b>Operator Environment</b>	Operating temperature: 0 to 50 degree C; Humidity: 5~90% non-condensing
<b>Storage Environment</b>	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:

3C-WDM-1000-35-15: 10/100/1000M media converter, 1310T/1550R, 15KM, SC/ST

3C-WDM-1000-53-15: 10/100/1000M media converter, 1550T/1310R, 15KM, SC/ST



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