

CVT-3002-PLUS Series Media Converter



10/100/1000BASE-T to 1000BASE-X Standalone Media Converter

Features

- **The World-wide Effortless and Reliable Media Converter**
The almost "set-it-and-forget-it" media converter is for minimizing network implementation and maintenance efforts
- **9K Bytes Jumbo Frame Size**
Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate IPTV service
- **Link Alarm**
When UTP or fiber port is down during operation, the other port will be automatically turned off to alert the user
- **Fully Compatible with CVT-RACK-16**
Budget limited solution for CVT-Rack-16 to mix installation with CTS's non-managed converter

Target Applications

- FTTX implementations. Point-to-point fiber connection for long distance

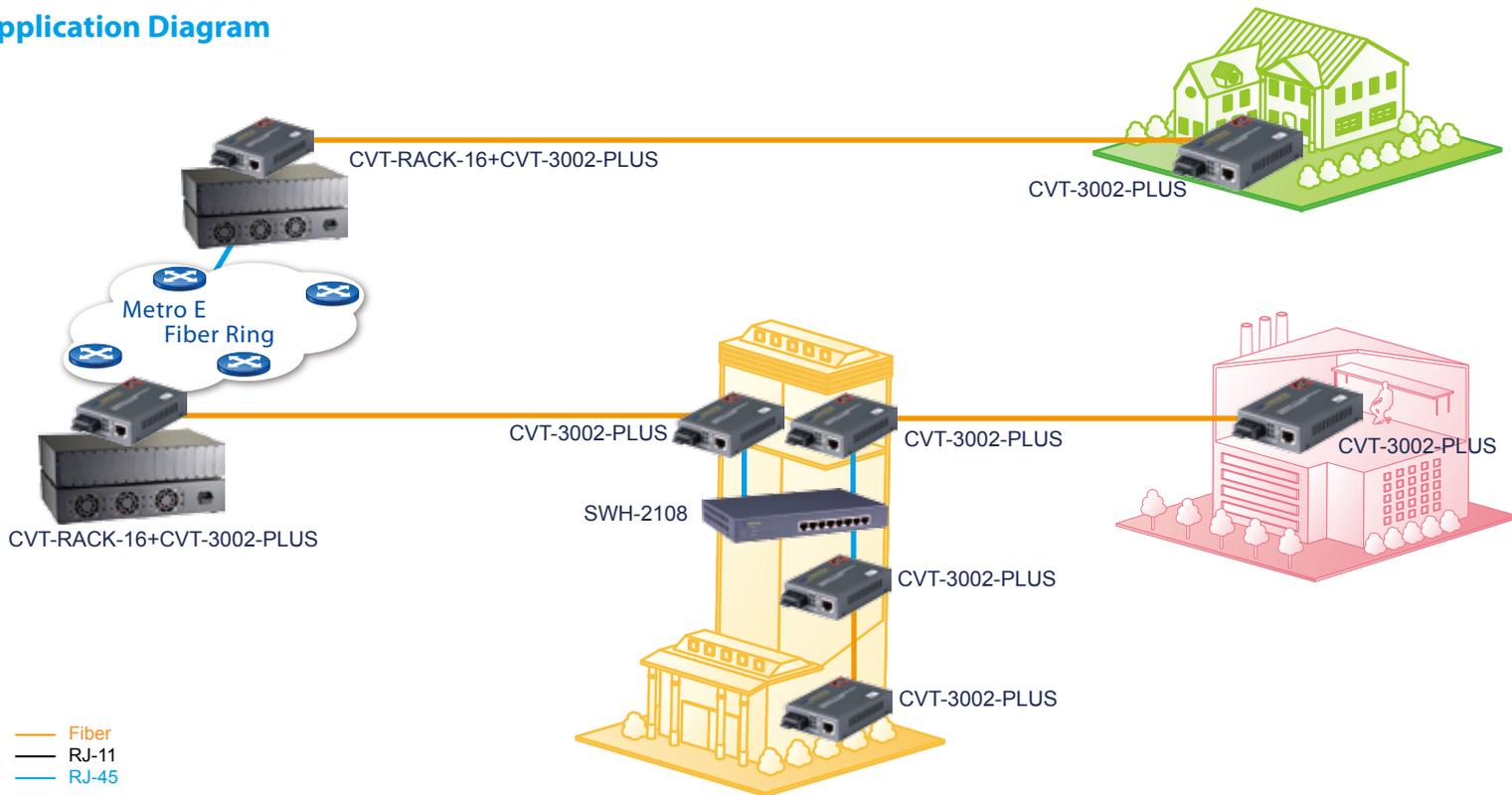
Description

Connection Technology Systems (CTS) CVT-3002-PLUS series media converter are the Gigabit Ethernet 10/100/1000 Base-TX to 1000Base-X media converter. The CVT-3002-PLUS series media converter converts traditional twisted-pair RJ45 cable into various fiber media including multi-mode, single-mode, SC connector, bi-directional wdm, or a SFP slot for pluggable fiber transceiver. The traditional transmission distance of 100m over RJ45 copper can be extended from 550m to 80km over fiber.

CVT-3002-PLUS series media converter is fully compliant with IEEE 802.3, 802.3u, 802.3ab & 802.3z standards. Besides, it is equipped with some switching features including flow control and store and forward. Additionally, Link Alarm feature enables administrator to monitor the fiber link more easily.

The installation and operation are simple and straightforward. The operation status can be monitored through a set of diagnostic LED indicators on the front panel. It is especially designed for network operators, metro Ethernet providers, enterprises, SMB, who have the need of implementing fiber optical Ethernet networks over long distance, for FTTX solutions, and are looking for an effortless and reliable 1000Mbps media converter.

Application Diagram



Specification

Interface

TP Port
10/100/1000Base-TX RJ45 x 1
F/O Port
1000Base-X x 1

Standards

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-X
IEEE 802.3x Flow Control

H/W Specification

Auto-Negotiation in TX port
MDI/MDIX Auto-Crossover supported
Support Link Alarm
Support Auto & Force mode configuration
1k MAC Address Table
128k Memory Buffer

LED

Power, FDX, Status, Speed,
F/O Link/Act, TX Link/Act

Ethernet Features

Support 9K Bytes jumbo frame
Support Flow Control
Store and Forward Switching Mechanism

Other Features

Rear Panel DIP Switch
Support slide-in Converter Center

Power Requirement

Power adaptor
- AC input: 100VAC~240VAC
- Frequency range: 50~60Hz
- DC output: 5V, 1.6A
Power Consumption: 3W

Environmental Condition

Operation: 0° ~ 50°C
Storage Temperature: -20° ~ 60°C
Humidity: 5% ~ 90%, non-condensing

Dimension & Weight

Size: 71 x 94 x 26 mm (WxDxH)
Shipping Weight: 0.6KG

EMC/Safety

FCC Class A, CE
* For further reports, please contact us for update

Order Information

MODEL	FIBER PORT					TP PORT	
	Speed	Fiber Type	Connector	Distance	Ports	Speed	Ports
CVT-3002BTFC-PLUS	1000	MM	SC	550M	1	10/100/1000	1
CVT-3002BTFC(SM-10/20/30/50/80)-PLUS	1000	SM	SC	10/20/30/50/80KM	1	10/100/1000	1
CVT-3002W2A(SM-10/20/40)-PLUS	1000	WDM	SC	10/20/40KM	1	10/100/1000	1
CVT-3002W2B(SM-10/20/40)-PLUS	1000	WDM	SC	10/20/40KM	1	10/100/1000	1
CVT-3002SFP-PLUS	1000	SFP	-	-	1	10/100/1000	1