**CVT-3112 Series Media Converter**

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

### Features

- **The World-wide smallest SNMP Managed Media Converter**
  The smallest media converter with SNMP managed solution in the world-wide

- **9K Bytes Jumbo Frame Size**
  Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate IPTV service

- **ISP Ethernet Tag Type**
  With ISP Ethernet Tag Type, the service providers can transport the encapsulated traffic for different customers without security risk

- **Power Down Trap**
  Built-in CTS unique SNMP power down trap function to rapidly identify network fault due to power outage and reduce truck rolls to save OPEX for operators or service providers

- **Fully Compatible with CVT-RACK-16**
  Budget limited solution for CVT-Rack-16 to mix installation with CTS's Non-managed converter

### Description

Connection Technology Systems (CTS) CVT-3112 series are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X media converter which is designed to fulfill the emerging deployment needs of fiber Ethernet network for operators and service providers with SNMP managed functionality. When CVT-3112 is deployed at customer premises, the media converter can be fully managed by the network equipment in the Central Office site by popular SNMP based network management server (NMS). By leveraging the benefits of CTS unique SNMP based power down trap feature, the CVT-3112 is able to send SNMP based trap message to NMS immediately when detects power failure on converter at customer site. It can significantly reduce truck rolls and save the operational cost (OPEX) for operators or service providers.

The CVT-3112 series media converter allow the user to connect Ethernet twisted-pair network to fiber Ethernet network easily and extend the transmission distance from 10km to 80km maximized. The optical interface of media converter provides a wide range of options to fit the practically need of fiber network deployment for the customer included multi-mode, single-mode and bi-directional transmission over just one single fiber as well as the SFP slot for pluggable fiber transceiver.

The CVT-3112 series media converter is fully compliant with IEEE802.3/802.3u/802.3ab & 802.3z standards. The installation and operation procedures for CVT-3112 are quite simple and straightforward. The user can simply configure the built in popular layer 2 and managed features by using commonly Web management UI to monitor the operation status easily in real time.

### Target Applications

- SNMP managed media converter for Point-to-Point connection of FTTX deployment applications
### Specification

**Interface**
- **TP Port**
  - 10/100/1000Base-T RJ45 x 1
  - 1000Base-X x 1

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

**H/W Specification**
- Store and forward switching mechanism
- Auto-Cross over for MDI/MDI-X in TP port
- Auto-Negotiation in TP port
- Full/Half Duplex Mode Operation
- 1K MAC address table
- 32K bytes memory buffer
- Link Alarm

**LED**
- Power, FDX, Status, Speed, F/O Link/Act, TX Link/Act

**Ethernet Features**
- Support 9K Bytes jumbo frame
- Support Flow Control
- IEEE 802.1Q tag VLAN
- Q-in-Q VLAN configuration
- ISP Ethernet Tag Type
- Bandwidth Control

**Network Management**
- Web UI management
- SNMP Management
- Support SNMP v1/v2c
- Support DHCP client
- Support private, RFC-1213, RMON (group 1, 2, 3, 9) MBs
- HTTP firmware upgrade
- Support power down trap
- SFF-8472 Diagnostic Monitoring Interface (CVT-3112SFP only)

**Power Requirement**
- Power adaptor
  - AC input: 100VAC~240VAC
  - Frequency range: 50~60Hz
  - DC output: 5V, 1A
  - Power consumption: 3.4W

**Environmental Condition**
- Operation: 0° ~ 50°℃
- Storage Temperature: -20° ~ 60°℃
- 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

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