

CT-402

GPON SFU ONT



Description

Comtrend's CT-402 GPON (Gigabit-capable Passive Optical Network) provides a high speed data access corridor for customers to easily connect any media device, achieving a Triple-play platform at home.

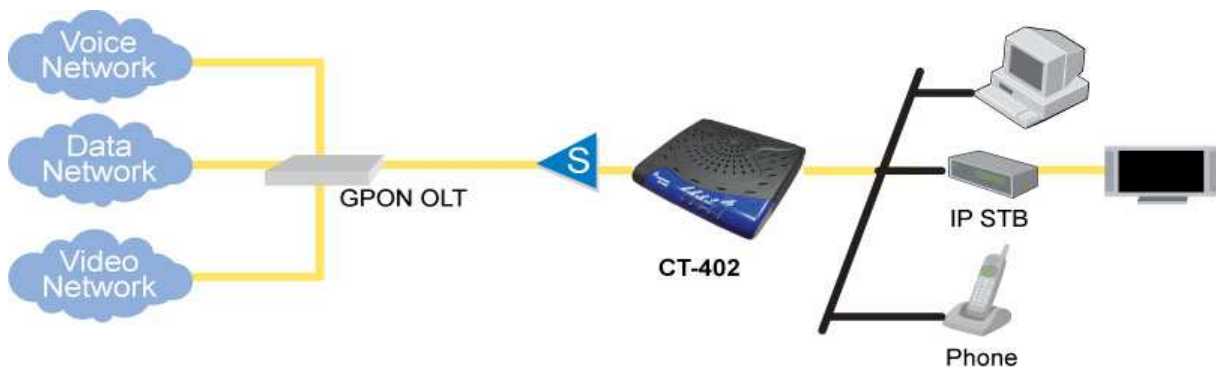
The CT-402 not only conforms to the ITU-T G.984 standard, but also embeds one 10/100/1000M Ethernet LAN port.

The CT-402 is easily controlled by a remote system that is flexible enough to interoperate with the OLT units of different vendors. It also supports DBA (Dynamic Bandwidth Allocation) algorithm and QoS.

Features

- ITU-T G.984 standard compliance
- 2.5Gbps downstream and 1.25Gbps upstream uplink interface
- Class B+ compliant APD receiver and DFB transmitter
- Traffic QoS support
- DBA reporting
- IGMP v1/v2/v3 snooping support for IPTV service

Applications Diagram



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Specifications

GPON Interface

Standard	ITU-T G.984
Optical Line Rate	Downstream: 2.488Gbps / Upstream: 1.244Gbps
Connector	SC/PC
Optical Fiber	Single mode
Wavelength	1490 downstream & 1310nm upstream
Optical Budget	Class B+ (13 – 28 dB)
Transmission Distance	Min. 20 km within class B+
Splitting ratio	1 by 64 within class B+

LAN Interfaces

Standard	IEEE 802.3, IEEE 802.3u
10/100/1000 BaseT	Auto-sense
MDI/MDX support	Yes
Connector	RJ-45X1

Management

Web-based management, Software upgrade via HTTP

Bridge Functions

Transparent bridging and learning	IEEE 802.1d
Spanning Tree Algorithm	Yes
IGMP Proxy	Yes

Power Supply

External power adapter	110 Vac or 220 Vac
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Certifications

FCC Part 15, CE

Note: Specifications are subject to change without notice.

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