

# 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.

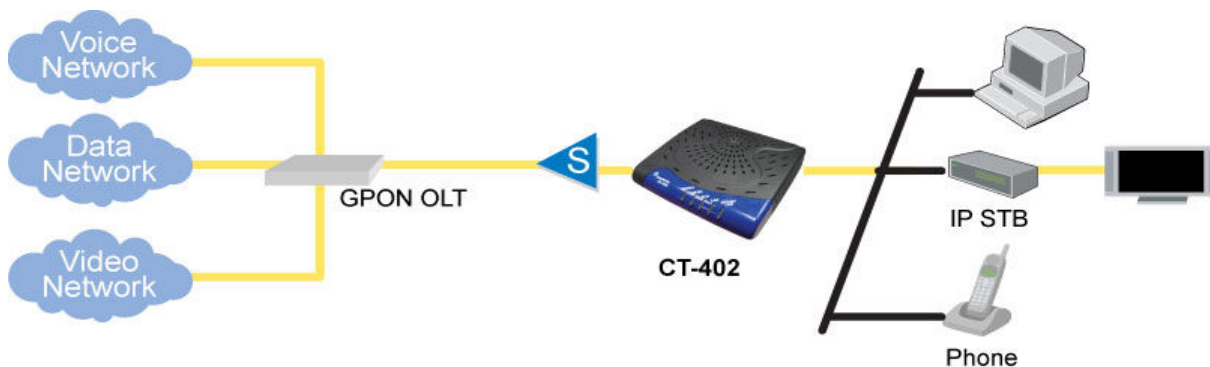
The CT-402 not only conforms to the ITU-T G.984 standard, but also embeds one 10/100/1000M Ethernet LAN port.

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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