

# OB2004

## GPON Indoor mini ONT



### Highlights

- Support full GPON bandwidth of up to 2.5Gbps downstream and 1.25Gbps upstream access
- Support IP video through data port
- Gigabits Ethernet interface

**OB2004** Indoor GPON mini ONT is a complying with ITU-T G.984 Gigabit Passive Optical Network (GPON) standards ONU (Optical Network Unit) product, which supports Gigabit Ethernet interfaces to provide Triple-play service for FTTH users.

In addition to its high performance profile, the mini ONT implementation assures maximum compatibility and provides remote management via OMCI channel.

### Specifications

#### GPON

- One SC/APC connector for GPON transceiver
- Two RJ-45 connectors for 10/100/1000 BASE-T
- One reset button
- One power jack for 12V DC input
- One power switch
- Wavelength: 1490nm downstream and 1310nm upstream
- Support 28dB optical loss budget (Class B+:13 -28dB)

#### Compliant Standard

- ITU-T G.984.1, 984.2, 984.3, 984.4
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3z

#### Quality of Service (QoS)

- Port-based VLAN
- Q-in-Q VLAN
- Strict Priority
- Weighted Round-Robin priority
- IGMP filtering & snooping
- Multicasting IGMP v1,v2,v3

#### Security

- AES-128 encryption per Port-ID
- IEEE 802.1x port authentication
- Supporting to Max.256 MAC filtering

#### Management

- Remote management via OMCI channel
- CLI management via Telnet
- Loopback test
- Remote firmware upgrade via FTP server or OMCI channel

#### Operating Environment

- Operating Temperature : 0 ~ 45 °C
- Storage Temperature : -20 ~ +65 °C
- Operating Humidity : 15%~85% (non-condensed)
- Storage Humidity : 10%~90% (non-condensed)

#### Power Requirement

- Power: 12V DC / 1A Max Input

#### Physical Specification

- Dimension: 50mmx70mmx20mm