

# OB2011/2021

## GPON Indoor ONT



### Feature

- Support full GPON bandwidth of up to 2.5Gbps downstream and 1.25Gbps upstream access
- Support IP video for video service
- Support VoIP for voice service

**OB2011/2021** is a complying with ITU-T G.984 Gigabit Passive Optical Network (GPON) standards ONU (Optical Network Unit) product, which supports four Fast Ethernet interfaces and two VoIP to provide Triple-play service for FTTH users.

In addition to its high performance profile, the OB2011/2021 implementation assures maximum compatibility and provides remote management via OMCI channel.

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## Specifications

### Interface

- One SC/APC connector for GPON transceiver
- Two RJ-45 connectors for 10/100/1000 BASE-T
- One RJ-11 connectors for FXS (OB2011)
- Two RJ-11 connectors for FXS (OB2021)
- One reset button
- One power jack for 12V DC input
- One power switch
- Wavelength:1490nm downstream and 1310um upstream
- Support 28dB optical loss budget (Class B+: 13 – 28dB)
- LEDs : PWR, PON, LINE1-2, LAN

### Compliant Standards

- 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

### QoS

- Strict Priority
- IGMP filtering & snooping
- Multicasting IGMP v1,v2,v3

### VoIP

- SIP v2 (RFC3261)
- CODECS: G.711, G.726, G.729
- T.38 FAX Relay

### Security

- AES-128 encryption per Port-ID
- 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 : Less than 90%(non-condensed)
- Storage Humidity : Less than 95% (non-condensed)

### Power Requirement

- Power : 12V DC / 1A max input

### Physical Specification

- Dimension: 220(W) x 160 (L) x 35 (H) mm

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