

OBO421/OBO421W

GPON Indoor ONT

Features

- Support full GPON bandwidth of up to 2.5Gbps downstream and 1.25Gbps upstream access
- Support IP video for video service
- Fast Ethernet interface
- Support VoIP for voice service
- Support IEEE802.11 b/g for wireless service (optional)
- Support TR-069 (optional)

Tecom OB0421 is a complying with ITU-T G.984 Gigabit Passive Optical Network (GPON) standards ONU (Optical Network Unit) product, which supports four Fast Ethernet interface and two VoIP to provide Triple-play service for FTTH users.

In addition to its high performance profile, the OB0421 implementation assures maximum compatibility and provides remote management via OMCI channel.

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Specifications

Interface

GPON:

- One SC/APC connector for GPON transceiver
- Four RJ-45 connector for 10/100 BASE-T
- Two RJ-11 connector for FXS
- One IEEE 802.11 b/g for wireless service (optional)
- 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)
- LEDs:PWR,ALM,PON,VoIP,LNK1, LNK2, LNK3, LNK4

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
- IEEE 802.3z

QoS

- Strict Priority
- Weighted Round-Robin priority
- IGMP filtering & snooping
- IGMP v1,v2,v3

VoIP

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

WLAN (optional)

- IEEE 802.11b/g
- Frequency band: 2.400~2.4835GHz
- Operating Channels: 1~13 channels
- WEP, SSID, WPA, WPA2

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

- Temperature: 0~50⁰C
- Operating Humidity:Less than 90%(non-condensed)
- Storage Temperature: -20~70⁰C
- Storage Humidity:Less than 95% RH(non-condensing)

Power Requirement

- Power: DC 12V DC/ 1A max input

Physical Specification

- Dimension:208(W) x 148 (L) x 42 (H) mm

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