WISI GPON
ONT GONU23W 1GE + 1FE + 1POTS + WLAN N 2.4 GHz

MAIN FEATURES:

- Supports management and integral configuration of the ONT from WISI OLT
- Plug & Play, detection functions and automatic configuration
- Automatic software update
- Integrated OAM/OMCI remote configuration and maintenance functions
- Supports extensive VLAN QinQ functions and Multicast IGMP Snooping
- Fully compatible with OLT based on Broadcom, PMC and Cortina chipset
- Support WIFI 802.11 b/g/N with 2 transmission and reception antennas (2T2R)
- Supports NAT y firewall functions
- Supports IPv4 y IPv6 Dual Stack
- Supports SIP protocols
- Integrated line test compatible with GR-909 in POTS

DESCRIPTION

The WISI GONU series user devices are designed for operation with the WISI GPON OLTs. This equipment was developed to meet the demand for Triple Play services, offered by both private and public operators through FTTx networks. This equipment is reliable, easy to operate and guarantee quality of service (QoS) for the different Data, Telephony and IPTV services. The WISI GONU series devices comply with the GPON ITU-T G.984/G.988 standards and are self-configured from the remote WISI OLT without user intervention.

The WISI GONU23W model is an ONT Home Gateway Unit (HGU) fully compatible with the ITU-T G.984/G.988 and IEEE 802.11b/g/N 2.4GHz WLAN standards, which provides ultra-high speed fiber access with 1GE and 1FE LAN RJ45 ports, 1 POTS port for fixed telephony services and WLAN 11N 2x2 configurations.

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TECHNICAL SPECIFICATIONS

PON Interface

- 1 GPON Class B+ port
- Speed DS/US: 2.488/1.244Gbps
- Optical transmission power: 0 … +4dBm
- Reception sensitivity: ≤ -28dBm
- Transmission distance: 20km.
- Comply with GPON ITU-T G.984.1/G.984.2/G.984.3/G.984.4/G.988 standards
- Optical connection: SC/UPC
- Wavelength: Tx 1310nm, Rx 1490nm

LAN Interface

- 1x 10/100/1000Mbps Ethernet Full/Half
- 1x 10/100Mbps Ethernet Full/Half
- RJ45 connection

VoIP Interface

- 1x POTS
- RJ11 connection
- Supported Codecs: G.711a, G.711u, G.723, G.729
- Supports T.30/T.38/G.711 Fax mode
- DTMF Relay
- Line test G.909

WLAN Inferface

- Comply with IEEE 802.11b/g/N
- Frequency range:
    2.4GHz: 2.400-2.483GHz
- 802.11 b/g/N (2.4GHz, 2x2 MIMO, up to 300Mbps)
- Supports multiples SSIDs
- Channel numbers : 13
- Modulation type : DSSS, CCK y OFDM
- Encoding scheme: BPSK, QPSK, 16QAM and 64QAM

Status LED

- On/Off
- LOS (Lost Optical Signal)
- PON
- LAN1
- LAN2
- PHONE
- WLAN

General Data

- Temperature range: 0 – 50 ºC
- Humidity: 10% - 90% (non-condensing)
- Power supply: 12 VDC / 1.0Amp
- Power consumption: ≤ 6W
- Dimensions: 185mm x 120mm x 34mm
- Weight: 240g