WISI GPON
ONT - GONU23C / 2GE + 1POTS + WLAN 2.4/5GHz

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
- Supports WIFI 802.11 N y AC with 4 transmission and reception antennas (4T4R)
- 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. These equipment were developed to meet the demand for Triple Play services, offered by both private and public operators through FTTx networks. These equipments are 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 GONU23C model is an ONT Home Gateway Unit (HGU) fully compatible with the ITU-T G.984 / G.988 and IEEE 802.11 N/AC dual band (2.4 / 5 GHz) WLAN standards, which provides ultra high speed fiber access with 2 GE LAN RJ45 ports, 1 POTS port for fixed telephony services and WLAN 2x2 11AC and 2x2 11N configurations.

ESPECIFICATIONS

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

- 2x 10/100/1000Mbps Ethernet Full/Half
- RJ45 connection

Phone interface (VoIP)

- 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

General Data

- Temperature range: 0 – 50ºC
- Humidity: 10% - 90% (non-condensing)
- Power supply: 12VDC / 1.5Amp
- Power consumption: ≤ 10W
- Dimension: 178mm x 120mm x 30m
- Weight: 320g

WLAN Interface

- Comply with IEEE 802.11b/g/N/AC
- Frecuency ranges:
    2.4GHz: 2.400-2.483GHz
    5.0GHz: 5.150-5.825GHz
- 802.11N/AC (5GHz, 2x2 MIMO, up to 866Mbps)
- 802.11b/g/N (2.4GHz, 2x2 MIMO, up to 300Mbps)
- Support multiples SSIDs
- Transmission power
    11N: 22dBm
    11AC: 24dBm

Status LED

- On/Off
- LOS (Lost Optical Signal)
- WAN
- LAN1
- LAN2
- WLAN 2.4GHz
- WLAN 5.0GHz
- Phone