



WISI GPON ONT - GONU01D / 1GE SECURE + RF CATV



MAIN FEATURES:

- ONT Dual GPON/EPON 1GE + RF CATV
- 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 Routing & Bridging
- Supports extensive VLAN QinQ functions and Multicast IGMP Snooping
- Fully compatible with OLT based on Broadcom, PMC and Cortina chipset
- Supports NAT and firewall functions
- Firewall: DDOS, ACL/Mac/URL filtering
- Supports IPv4 y IPv6 Dual Stack

DESCRIPTION

The WISI GONU series user devices are designed for operation with the WISI OLT. 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 GONU01D model is a Single Fiber Unit (SFU) ONT, which provides a GE-VLAN connection through a fiber access network (FTTx). Supports secure communications with NAT / Firewall, VLAN, L3 Routing, L2 Bridging and Multicast functions.

Additionally, it integrates an RF CATV optical receiver, which allows to receive the TV signals transmitted through the PON network with a wavelength of 1550nm (RF Overlay).

WISI GPON

ONT - GONU01D / 1x GE-VLAN Secure

TECHNICAL SPECIFICATIONS

PON Interface

- Wavelength: Tx 1310nm, Rx 1490nm, Rx RF 1550nm
- Optical RF reception power (1550nm) :-18...2dBm
- AGC Range: -15 ... 0dBm
- 1 GPON Class B+ port
- Speed DS/US: 2.488/1.244Gbps
- Optical transmission power: 0 ... +4dBm
- Reception sensibility: ≤ -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/APC

Interface RF CATV

- Frequency range: 47 – 1003MHz
- Impedance: 75Ohm
- Return loss: >12dB
- Output level: 75dBμV (AGC range)
- MER: ≥ 30dB (AGC range)

LAN Interface

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

VLAN

- VLAN Modes
 - Tag mode
 - Transparent mode
 - Trunk mode (max. 8 VLANs)
 - Translation mode 1:1 (max. 8 VLANs).

L2/L3

- L2 Protocols:
 - 802.1D & 802.1ad Bridging
 - 802.1p CoS
 - 802.1Q VLAN
- L3 Protocols:
 - DHCP Client/Server
 - PPPoE
 - NAT /DMZ / DDNS

MULTICAST

- Support IGMP v1/v2/v3
- Support IGMP Snooping
- Max. 8 Multicat VLANs
- Max. 64 Grupos Multicast

Management

- Support CTC OAM 2.0 y 2.1
- Support ITU-T G.984.x OMCI standard
- WEB / Telnet / CLI

Status LED

- REG
- SYS
- LINK/ACT

General Data

- Temperature range: 0 – 50°C
- Humidity: 10% - 90% (non-condensing)
- Power supply: 12 VDC / 0.5Amp
- Power consumption: ≤ 4,5W
- Dimensions: 110mm x 92mm x 30mm
- Weight: 150g



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