GPON ONT Series

Gigabit Passive Optical Network

⇨ Fully compliant with ITU-T G.984.1, G.984.2, G.984.3 and G.984.4

⇨ Support rates of 1.244Gbps for upstream with 1310nm wavelength and 2.488Gbps for downstream with 1490nm wavelength

⇨ OMCI compliant with ITU-T G.984.4

ONT 952, Pure Ethernet Solution ONT

User Interface (UNI)
- 1 x 10/100/1000 Gigabit Ethernet interface
- Connector type: RJ-45
- Supports full duplex and half duplex mode capability
- Provides IEEE 802.3 Auto-Negotiation function with capability limitation and fixed rate setting.

GPON Interface (ANI)
- Comply to ITU-T G.984.2 Physical Media and Transmission method
- Connector type: SC/APC
- Transmission Direction: WDM technique on a single mode fiber
- Attenuation range: 28dB (class B+)
- Support 7 T-CONTs and 32 GEM port-ID mapping.
- Support flexible GEM port mapping with uni port base, pbit base, vid base, pbit and vid base.

Ethernet Function
- 802.1D bridging and learning
- Support MAC address learning with 512 entries
- Support MAC address learning limitation by UNI port
- Support MAC address learning filter
- Support egress rate limit by UNI port
- Learning table aging time setting
- Q-in-Q configurable to drop double-tagged packets on the upstream
- Support 8 priority queues per port
- Support with v1/v2 IGMP snooping and IGMP proxy

System Management
- Support user friendly CLI by RS232 interface
- Support dual image firmware upgrade by OLT using OMCI channel, and also support FTP and TFTP download
- Real time alarm and event log supported to 200 entries
- Dying gasp message generate
- FM handling and PM counter with ANI port and UNI port
- TELNET

LED Indicators
- PWR, ALM, LOS, LNK, LAN

Dimension & Environment
- 200mm(W) x 150mm(D) x 39 mm(H)
- Temperature: 0°C ~ 50°C
- Storage: -10°C ~ 70°C
- Relative Humidity: Up to 95% (non-condensing)
- Power: External power adapter, 12VDC

Certification
- CE Marking
- EN60950

ONT 958v, 8 FE + 8 FXS Solution

User Interface
- 8 x 10/100 Ethernet interface
- 8 x FXS interface

Ethernet L2 Function
- 802.1D bridging and learning
- Support MAC address learning with 512 entries
- Support MAC address learning limitation by UNI port
- Support MAC address learning filter
- Support egress rate limit by UNI port
- Learning table aging time setting
- Q-in-Q configurable to drop double-tagged packets on the upstream
- Support 8 priority queues per port
- Support with v1/v2 IGMP snooping and IGMP proxy

System Management
- Support user friendly CLI by RS232 interface
- Support TELNET function
- Firmware upgrade through FTP or TFTP

QoS Management
- IEEE 802.1p & DSCP
- Support SPQ
- Broadcast storm control
- Rate limitation per port

Voice Function
- MEGACO (SIP & MGCP is optional)
- Codec: G.711a/u, G.723.1, G.726, G.729
- Silence suppression & detection
- CNG & VAD, Echo cancellation
- Advanced Calling Features: Call hold /Waiting /Forwarding /Transfer...etc.
- DTMF support in-band & out-band relay (RFC-2833)
- DTMF & Bellcore & ETSI & calling name
- T.30 & T.38 FAX
- Message waiting indicator, Hot-line & warm-line

LED Indicators
- PWR, PON ALM, PON LNK, VoIP SYS, PSTN, LAN1~8, FXS1~8

Dimension & Environment
- 245mm(W) x 200mm(D) x 60mm(H)
- Temperature: $0^{o}C \sim 50^{o}C$
- Storage: $-10^{o}C \sim 70^{o}C$
- Relative Humidity: Up to 95% (non-condensing)
- Power: External power adapter, 12VDC