



GPON OPTICAL MODEM LW110-44B

Description

The ONT LW110-44B is ideal for enterprise applications in PON LAN solutions. It provides users with the ability to access the internet and high-quality voice services.

Constructive Characteristics

Gross Unit Weight	Weight: 500g;
Dimension	Dimensions (W x L x H): 244 x 161 x 41mm;

Electrical Characteristics

Power Input	External power supply, AC input 90~250 VAC, output 12 VDC, maximum current 1.5A; (Not included)
Power	Electrical power consumption: <10W

Environmental Characteristics

Storage Temperature (°C)	-5 ~ 50 ° C.
Operation Temperature (°C)	0 ~ 40 °C.
Operating Humidity	5 ~ 90%, non-condensing.

Features

Management

- 802.1x functionality available in Laserway Manager from version 3.7.1
- Management support via OMCI protocol according to the G.984.4 standard
- Local access via Telnet and SSH connection.
- Remote Access (OLT) via Telnet and SSH connection.
- Update via WEB and TFTP.
- MIB manipulation through OMCI by Create, Delete, Set, Get, Get Next commands;
- Remote software image download
- Activation with auto-discovery SN and password, in accordance with ITU-T G.984.3;
- Bandwidth configuration by service or port (fixed, guaranteed and maximum);

- Remote activation and rebooting
- Alarms and performance monitoring

GPON

- Full support for ITU-T G.984;
- FEC Support;
- Support up to 32 T-CONTs;
- Support up to 256 GEM ports;
- Flexible mapping support between TCONT and GEM port;
- Support RTCP(RFC3550,3551);
- GPON Tx:
 - Upstream 1.25 Gbps transmission;
 - Wavelength: 1310nm;
 - Based on T-CONTs;
 - Transmission power: 0.5 to +5 dBm;
- GPON Rx:
 - Downstream transmission 2.48 Gbps;
 - Wavelength: 1490nm;
 - Based on GEM Ports;
 - Sensitivity: -27 dBm;
 - Saturation: -8 dBm.

Layer 2

- Support for 1518 byte IEEE 802.3as MTU;
- Support for 802.1p, 802.1d, 802.1q;
- Support for 802.3, 802.3u, and 802.3ab;
- Support for the 802.3az standard, Green Ethernet;
- Untagged port configuration;
- VLAN tagging/untagging;
- VLAN double tagging, IEEE 802.1ad;
- VLAN Switching;
- VLAN Translate;
- VLAN Stacking (Q-in-Q);
- VLAN Translation;
- Automatic MAC learning;
- 1.024 MAC addresses;
- Supports up to 8 VLANs per ONT;
- Auto-MDI/MDIX support;
- Self-negotiation;
- Flow Control;
- MAC Addresses learning with Auto-Aging
- VLAN filter per port;
- Support Loop detect;

Multicast

Support IGMP V2/V3 Snooping

POTS (FXS)

- Support for SIP, H.248, MGCP, SDP and RTP protocol;
- Support for G.711, G.723, G.726, G.729 (A/B);
- Support for SIP services: Caller-id, call waiting, call transfer, Three Way, Toggle;
- Support T.38 FAX;
- Support for echo cancellation, compatible with G.165, G.168;
- 5-REN support per FxS port;
- Configurable dial plan;
- Sending DTMF in-band or out-band;

Qos

- Support classification of packets based on DSCP and IP protocols;
- Support classification of packages based on 5 classification combination;
- Support for scheduling algorithms SP, WRR, SP+WRR;
- QoS 1 tag per service.

Interfaces

Product Interfaces

GPON

- SC-APC Connector;

Ethernet

- 4xGE 10/100/1000 Base-T RJ-45 connector;

FXS/Pots

- 4x RJ-11 FXS;

USB

- 2x USB 2.0 Type A with 480 Mbps speed

Packaging

Items Included

Warranty certificate
 Product quick guide in the languages:

- Portuguese
- Spanish
- English

Certifications

- NOM

Notes

Warranty

- One-year warranty.
- Software Technical Validity: 365 days.

Warranty coverage and technical support service are conditional on the exclusive use of GPON Furukawa family equipment (OLTs, ONUs, Power Supplies, Transceivers, ...)

[Part Numbers](#)