



GPON OPTICAL MODEM LW110-44B



Description

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 -5 ~ 50 °C.
(°C)

Operation Temperature 0 ~ 50 °C.
(°C)

Operating Humidity Up to 95%, non-condensing.

Features

- Management**
- 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.
- 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;
- 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;
- VLAN tagging/untagging;
- VLAN double tagging, IEEE 802.1ad;
- VLAN Switching;
- VLAN Translate;
- Automatic MAC learning;
- 1.024 MAC addresses;
- Supports up to 8 VLANs per ONT;
- Auto-MDI/MDIX support;
- Self-negotiation;
- Flow Control;

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 Call ID/Call waiting/Call forwarding/Call transfer/Call Toggle/3-way calling;
- Support T.38 FAX;
- Support for echo cancellation, compatible with G.165, G.168;

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;

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: <ul style="list-style-type: none">• Portuguese• Spanish• English
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Certifications	<ul style="list-style-type: none">• NOM
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Notes

Warranty	<ul style="list-style-type: none">• One-year warranty.• Software Technical Validity: 365 days. <p>Warranty coverage and technical support service are conditional on the exclusive use of GPON Furukawa family equipment (OLTs, ONUs, Power Supplies, Transceivers, ...)</p>
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[Part Numbers](#)