MODEM OPTICO INDUSTRIAL GPON LD510-20B

Description

The Industrial ONU LD 510-20B is the equipment used in FTTx networks as user access terminal.It is responsible for converting the optical signal from the GPON network (ITU-T standard G.984.1) to an electrical signal (Ethernet standard) and vice versa.

The equipment supports rates up to 2.5Gbps for downstream and 1.25Gbps for upstream.

It is designed for indoor applications that require more robust features such as IP30 enclosure and extended operating temperature range.It has 2 Giga Ethernet ports and Layer 2 operation option.

Electrical Characteristics

Power Connection	
	• DC inputs from 12 to 48 VDC;
	• Optional: AC / DC adapter (input: 100-200VAC, 50 / 60Hz; output: 12VDC / 1A);
	**Power supply not included
Power	6W

Environmental Characteristics

Installation Environment	Indoor and outdoor environments (when accommodated / installed in appropriate enclosure).
Storage Temperature (°C)	-5 °C to 80°C
Operation Temperature (°C)	-40 ° C to 75 ° C

Features

GPON	Supports FEC (Forward Error Correction); Support up to 8 T-CONTs; Support up to 256 GEM ports;
Layer 2	• IEEE 802.3ac - VLAN Tagging • IEEE 802.1Q - Virtual LANs

- IGMP v1 / v2 / v3
- VLAN tagging/untagging
- VLAN trunking
- VLAN Stacking (QinQ)
- VLAN Switching
- VLAN Translate
- 802.3n Flow Control
- MAC Learning and Automatic Aging
- Support for up to 1024 MAC address
- MAC limit

Qos

- Bridging / switching mode support: IEEE 802.1D / 802.1Q;
- Traffic management (priority queuing and traffic shaping);
- Classification and marking of traffic;
- QoS with IEEE 802.1p + DSCP support;
- QoS / CoS with IPv4 support.

Interfaces

- 1 optical interface GPON SC-APC single-mode;
- 2 metal interfaces RJ-45 1000Base-T (GbE);

Packaging

Items Included

- Manual
- Guarantee certificate
- DIN Rail Adapter
- Electrical terminals

Certificações e Normas

Standard

- ITU-T G.984.1;
- ITU-T G.984.2;
- ITU-T G.984.3;
- ITU-T G.984.4

Notes

Warranty

- One-year warranty.

- Software Technical Validity: 365 days.

In order to guarantee the proper system operation, the equipment compatibility is only ensured with Furukawa's GPON OLTs. All technical support activities by Furukawa are conditioned to this observance.

Part Numbers