

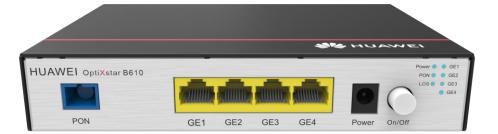
OptiXstar B610 Datasheet

BusinessPON Enterprise-Level Routing Gateway ONU

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Product Overview

The OptiXstar B610 is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 4 GE ports to provide high-quality voice, data, and HD video services.



Product Highlights

- Compact design, plug and play, flexible and easy to install.
- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- Supports 40° C to +55° C wide temperature range with strong environment adaptability.
- Features high reliability, 6 kV surge protection in common mode, and Type B dual-homing service protection.

Technical Specifications

Dimensions (WxDxH)	160mm x 110mm x 30mm(Without floor mat)	UNI	4*GE
Weight	About 480 g	Static powerconsum ption	3.5 W
Operating temperature	-40°C to +55°C	Maximum power consumption	5 W
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum frame length	2000 bytes

Power adapter input	100V to 240V AC, 50/60Hz	Surge protection specifications	GE: common mode 6 kV; differential mode 1.5 kV. AC power : common mode 6 kV; differential mode 6 kV
System power supply	11V to 14V(typical 12 V), 1A	Protection rating	IP20
NNI	GPON	Installation mode	Support outdoor network box installation and indoor desktop installation, wall mounting, or network box installation.

Port Parameters

PON	GE	
 GPON Port type: SC/UPC Class B+ Receiver sensitivity: -27dBm; Overload optical power: -8dBm; Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s Type B single-homing Type B dual-homing (supported in Layer 2 forwarding) 	 Port type:RJ-45 Auto ports speed(10/100/1000 Mbit/s) Auto-MDI/MDIX Configuration of the number of MAC addresses learned VLAN transparent transmission/VLAN filtering 	

Function List

Automatic Service Provisioning	Smart O&M	Layer 3 Features	Security
 Authenticati on exemption XML/OMCI/ TR069 	 XML/Web UI Rogue ONT detection and self-regulation Ring network detection/PPPoE/DHCP simulation testing 	 Default/Static/Policy/Service routes VLAN binding ALG/UPnP/ARP DDNS/DMZ/DNS/NAPT PPPoE/Static IP/DHCP Port mapping/Port trigger IPv6 	 802.1x IPv6/IPv4 firewalls Filtering based on MAC/IP/URL DoS/ARP anti-attacks Static MAC address binding
Multicast	QoS	Layer 2 Management	Device access controlWeb session number
 IGMP v2/v3 snooping Dynamic controllable multicast IGMP proxy MLDv1/ML Dv2 snooping 	 Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR 	 DHCP Option82 PITP BPDU transparent transmission LLDP/LLDP-MED 	restriction

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