

# 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

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

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

## Port Parameters

PON	GE
<ul style="list-style-type: none"> <li>• GPON</li> <li>• Port type: SC/UPC</li> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm;</li> <li>• Overload optical power: -8dBm;</li> <li>• Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s</li> <li>• Type B single-homing</li> <li>• Type B dual-homing (supported in Layer 2 forwarding)</li> </ul>	<ul style="list-style-type: none"> <li>• Port type:RJ-45</li> <li>• Auto ports speed(10/100/1000 Mbit/s)</li> <li>• Auto-MDI/MDIX</li> <li>• Configuration of the number of MAC addresses learned</li> <li>• VLAN transparent transmission/VLAN filtering</li> </ul>

## Function List

Automatic Service Provisioning	Smart O&M	Layer 3 Features	Security
<ul style="list-style-type: none"> <li>• Authentication exemption</li> <li>• XML/OMCI/TR069</li> </ul>	<ul style="list-style-type: none"> <li>• XML/Web UI</li> <li>• Rogue ONT detection and self-regulation</li> <li>• Ring network detection/PPPoE/DHCP simulation testing</li> </ul>	<ul style="list-style-type: none"> <li>• Default/Static/Policy/Service routes</li> <li>• VLAN binding</li> <li>• ALG/UPnP/ARP</li> <li>• DDNS/DMZ/DNS/NAPT</li> <li>• PPPoE/Static IP/DHCP</li> <li>• Port mapping/Port trigger</li> <li>• IPv6</li> </ul>	<ul style="list-style-type: none"> <li>• 802.1x</li> <li>• IPv6/IPv4 firewalls</li> <li>• Filtering based on MAC/IP/URL</li> <li>• DoS/ARP anti-attacks</li> <li>• Static MAC address binding</li> <li>• Device access control</li> <li>• Web session number restriction</li> </ul>
Multicast	QoS	Layer 2 Management	
<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• Dynamic controllable multicast</li> <li>• IGMP proxy</li> <li>• MLDv1/MLDv2 snooping</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>	<ul style="list-style-type: none"> <li>• DHCP Option82</li> <li>• PITP</li> <li>• BPDU transparent transmission</li> <li>• LLDP/LLDP-MED</li> </ul>	

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