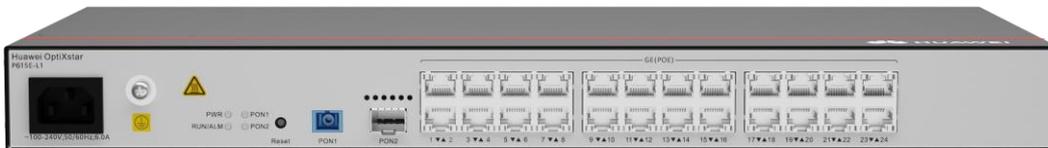


# Huawei OptiXstar P615E-L1 Datasheet

Date: 2023-08-30

## Product Overview

Huawei OptiXstar P615E-L1 is a rack-mounted PoE ONU. It provides two GPON upstream ports on the network side and 24 GE (PoE+) ports on the user side. It is suitable for carrying data, video and Wi-Fi services in high-density campus scenarios and brings high-quality service experience to users.



## Product Highlights

- Features high reliability, two GPON upstream ports, supporting type C networking protection.
- 24 GE ports, supporting high-density access.
- The PoE function provides remote power supply for access APs and cameras.
- Supports wide temperature range with strong environment adaptability.
- 802.1x authentication ensure device access security.
- Centralized management on eSight.

## Technical Specifications

<b>NNI</b>	2*GPON(1*BOB+1*SFP)	<b>UNI</b>	24*GE, supports PoE+
<b>PoE output power</b>	Maximum output power of a PoE+ port: 30 W Maximum total output power: 370 W	<b>Surge protection specifications</b>	GE: common mode 6 kV; differential mode 0.5 kV. AC power: common mode 6 kV; differential mode 6 kV.
<b>Operating temperature</b>	-25°C to +55°C	<b>Installation mode</b>	Support 19-inch cabinet, rack, or network box installation
<b>Operating humidity</b>	5%RH to 95%RH (non-condensing)	<b>Rated operating voltage range</b>	100–240 V AC, 50 Hz/60 Hz, 6A
<b>Static power</b>	36 W	<b>Maximum power</b>	447 W

<b>consumption</b>		<b>consumption</b>	
<b>Dimensions (WxDxH)</b>	442mmx220mmx43.6mm (Without Mounting Brackets) 482mmx220mmx43.6mm (With Mounting Brackets)	<b>Weight</b>	About 3.1 kg
<b>Heat dissipation mode</b>	Fans heat dissipation	-	-

## Port Parameters

<b>GPON</b>	<b>GE/XGE(electrical)</b>
<ul style="list-style-type: none"> <li>• Port type: SC/UPC</li> <li>• Complying with ITU-T G.984.2, Class B+</li> <li>• Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s</li> <li>• Receiver sensitivity: -27dBm~-29dBm</li> <li>• Overload optical power: -8dBm</li> </ul>	<ul style="list-style-type: none"> <li>• PoE+</li> <li>• Port type: RJ-45</li> <li>• Auto ports speed(10/100/1000 Mbit/s)</li> <li>• Half-duplex/full-duplex mode negotiation and configuration</li> <li>• Auto-MDI/MDIX</li> <li>• Configuration of the number of MAC addresses learned</li> <li>• VLAN filtering</li> </ul>

## Function List

<b>Automatic Service Provisioning</b>	<b>Smart O&amp;M</b>	<b>Networking Protection</b>	<b>Security</b>
<ul style="list-style-type: none"> <li>• Authentication exemption</li> <li>• XML/OMCI</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</li> <li>• PPPoE/DHCP simulation testing</li> </ul>	<ul style="list-style-type: none"> <li>• Type B Protection</li> <li>• Type C Protection</li> <li>• PON upstream load sharing</li> </ul>	<ul style="list-style-type: none"> <li>• 802.1x</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>
<b>Multicast</b>	<b>QoS</b>	<b>Layer 2 Management</b>	
<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• IGMP proxy</li> <li>• MLDv1/MLDv2 snooping</li> <li>• Dynamic controllable multicast</li> <li>• Uncontrollable multicast</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> <li>• IPv6 (Layer 2 transparent transmission)</li> </ul>	

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