

Overview

Huawei OptiXstar F100P-2G is a panel ONU for enterprise campuses. They can be quickly installed on the 86-type electric box. Provides one GPON port in the upstream direction and two GE Ethernet ports on the user side. The high-performance forwarding capability effectively ensures data and HD video service experience, providing an ideal solution for enterprise campus deployment and future-oriented service support.

- Compact design, plug-and-play, flexible and easy to install
- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- High reliability, supporting type B dual-homing service protection

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar F100P
Dimensions (H x W x D)	Panel: 86 mm x 86 mm x 9.5 mm Internal module depth: 35 mm
Weight	168 g
Operating Temperature	-10°C to +50°C
Operating Humidity	5%–95% RH, non-condensing
Power Supply of The Entire System	100–240 V AC, 50/60 Hz
Static Power Consumption	7.2 W
Maximum Power Consumption	7.2 W
Network-side Port	1*GPON
User-side Port	2*GE
Optical Fiber Interface	SC/UPC, GPON upstream transmission
Storage	128 MB FLASH, 512 MB DRAM
Protection Rating	IP20
Surge Protection Specifications	<ul style="list-style-type: none"> • GE: 4 kV in common mode and 0.5 kV in differential mode • AC power supply: 6 kV in common mode and 4 kV in differential mode

Figure 1 shows the appearance of OptiXstar F100P.



Product Details

Interface Parameters

PON Port	<ul style="list-style-type: none"> • Interface type: SC/UPC • Downstream: 2.488 Gbit/s; Upstream: 1.244 Gbit/s • Receiver sensitivity: -27 dBm • Overload optical power: -8 dBm <p>NOTICE: If the optical power is greater than the overload optical power, the device may be damaged. In this case, connect an optical attenuator.</p>
GE Port	<ul style="list-style-type: none"> • Interface type: RJ-45 • 10/100/1000 Mbit/s interface rate auto-sensing • MDI/MDIX automatic configuration • Configuring the Number of Learned MAC Addresses • Ethernet port-based VLAN transparent transmission and filtering

Product Functions

Automatic Service Provisioning	<ul style="list-style-type: none"> • Authentication exemption • XML/OMCI/TR069
Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Rogue ONT detection and self-regulation • Ring network detection/PPPoE/DHCP simulation testing
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLDv1/MLDv2 snooping • Quickly leave • Downstream multicast VLAN translation/transparent transmission/stripping



	<ul style="list-style-type: none"> • IGMP/MLD packet rate limitation
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation • Flow mapping based on VLAN, 802.1p, Ethernet port, or any combination of VLAN, 802.1p, and Ethernet port
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI • Software dual backup and rollback • Optical link measurement and diagnosis • Loop detection
Security	<ul style="list-style-type: none"> • MAC filtering
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state

Get More Information

Do you have any question about the OptiXstar F100P?

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Button	Reset button and indicator switch
Installation mode	Indoor 86-box installation
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