Overview

Huawei OptiXstar F600C-30-1GH is an ONU that supports Wi-Fi 6 for enterprises. It provides ultra-broadband access through optical fibers in the upstream direction and works with a primary gateway device to realize gigabit Wi-Fi coverage for enterprises.

Highlight

- Supports Wi-Fi 6, 160 MHz frequency band, and an air interface rate of 3 Gbit/s. The maximum test rate reaches 1.2 Gbit/s.
- Based on the OFDMA technology, a single secondary device supports 64 concurrent connections.
- Supports seamless Wi-Fi roaming with a handover latency about 100 ms.
- Photoelectric composite cables supply power to remote secondary devices, eliminating difficulties in power acquisition.
- Features high efficiency and stability, strong anti-interference capability, and wide coverage.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar F600C
Dimensions (H x W x D)	38 mm x 200 mm x 200 mm
Weight	About 0.6kg
Operating Temperature	–10°C to +50°C
Operating Humidity	5%–95% RH, non-condensing
Rated Input Range of Power Adapter	100–240 V AC, 50/60 Hz
System Power Supply	12 V DC, 1.5 A (power obtained through adapter) 56 V DC, 0.25 A (POF* power supply)
Static Power Consumption	6 W
Maximum Power Consumption	11 W
Network-side Port	GPON
User-side Port	1 GE + 2.4 GHz & 5 GHz Wi-Fi 6
Fiber Port Type	GPON upstream transmission (port type: XC/UPC)

Figure 1 shows the appearance of OptiXstar F600C.

Product Details

Interface Parameters

Optical Port	● Downstream rate: 2.488 Gbit/s; upstream rate: 1.244 Gbit/s ● Plug-and-play
Gigabit Ethernet Port	● MAC address limit ● MAC address learning ● 10 Mbit/s, 100 Mbit/s, and 1000 Mbit/s auto-sensing

Product Functions

MiniFTTO Networking Scenario

Enterprise Network	● Working with the primary gateway to realize all-optical Wi-Fi coverage for enterprises – No electromagnetic interference and low latency – Automatic networking and plug-and-play – Automatic Wi-Fi configuration synchronization – Automatic Wi-Fi channel selection for the primary gateway device – Proactive Wi-Fi roaming (802.11k/802.11v) for the primary gateway device with a handover latency about 100 ms
Smart Connectivity	● Upstream transmission modes: optical fiber ● Working mode: bridge mode
O&M	● Web UI

	● Software dual-backup and rollback

FTTO Networking Scenario

Automatic Service Provisioning	● Authentication-free ● XML/OMCI/TR069
Intelligent O&M	● XML/Web UI ● Rogue ONT Detection and Self-regulation ● Ring network detection ● PPPoE emulation/DHCP emulation
Layer 3 Features	● Default/Static/Policy/Service route ● VLAN binding ● ALG/UPnP/ARP ● DDNS/DMZ/DNS/NAPT ● PPPoE/Static IP/DHCP ● Port mapping/Port trigger ● IPv6
Security	● 802.1x ● IPv6/IPv4 firewall ● MAC address filtering/IP address filtering ● Anti-DoS/ARP attack ● Static MAC address binding ● Device Access Control
Multicast	● IGMP v2/v3 snooping ● Dynamic controllable multicast ● IGMP proxy ● MLDv1/MLDv2 snooping
QoS	● Ethernet port rate limit ● 802.1p priority ● SP/WRR/SP+WRR
Layer 2 Management	● DHCP Option82 ● PITP ● BPDU transparent transmission ● LLDP
Networking Protection	● Type B single-homing protection ● Type B dual-homing protection

Get More Information

Do you have any question about the OptiXstar F600C?

Contact us now via info@hi-network.com.

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Network-side Port	GPON
User-side Port	1 GE + 2.4 GHz & 5 GHz Wi-Fi 6
Fiber Port Type	GPON upstream transmission (port type: XC/UPC)
Button	Reset button
Indicator	One WLAN running indicator
Installation mode	Ceiling-mounted installation
Optical Port	● Downstream rate: 2.488 Gbit/s; upstream rate: 1.244 Gbit/s ● Plug-and-play
Gigabit Ethernet Port	● MAC address limit ● MAC address learning ● 10 Mbit/s, 100 Mbit/s, and 1000 Mbit/s auto-sensing

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