

HSGQ-X200DW ONU

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Variants

UPC APC UPC-C

Details

HSGQ-X200DW

Product Overview

High-performance and versatile ONU device designed for industrial and commercial use. It supports dual-band Wi-Fi, EPON/GPON compatibility, advanced security features, and stable high-speed connectivity for FTTH and ISP networks.

Key Features

Category	Specification
Fiber Port	APC / UPC
Key Features	Supports bandwidth control, IEEE 802.3ah and ITU-T G.984 standards Wi-Fi 802.11a/b/g/n/ac with long-distance transmission support Supports data encryption, VLAN, DBA, remote software upgrade, QoS, ACL and NAT Supports PPPoE, DHCP Server, power-off alarm and system breakdown prevention
Wi-Fi Features	Dual-band 2.4GHz / 5GHz (802.11b/g/n/ac) Up to 1166Mbps PHY rate Supports 4x SSID WPA2 / WEP / 802.1x security Hide SSID and auto-channel selection

Interfaces	2 x 10/100/1000M Ethernet (RJ45) 1 x EPON/GPON adaptive port (SC-UPC/APC) 1 x RJ11 (POTS) for voice
Indicators	POWER, PON, LOS, LAN, 2.4G/5G Wi-Fi, WPS, NET
Management	WEB, TELNET, TR069, OMCI, OAM
Ordering Info	HSGQ-X200DW: 2xGbE, 1x EPON/GPON, 2.4G/5G Wi-Fi

Technical Specifications

Parameter	Specification
PON	GPON: 2.5Gbps Down / 1.25Gbps Up; EPON: 1.25Gbps Symmetric
Sensitivity	-7dBm to -28dBm (GPON), -7dBm to -27dBm (EPON)
Ethernet	Auto-MDI/MDI-X, 100m range, full/half duplex
Power	12V / 1.5A DC, < 9W consumption
Environment	0°C to 60°C operating, -40°C to 80°C storage, 10% to 85% humidity
Size	162mm (L) x 112mm (W) x 30mm (H)

LED Indicator Details

No.	Indicator	Status
1	POWER	On: Powered • Off: No power
2	PON	On: Registered • Blinking: Registering • Off: Failed
3	LOS	On: Weak signal • Off: Normal
4	LAN	On: Connected • Blinking: Data transfer • Off: Disconnected
5	2.4G Wi-Fi	On: Enabled • Blinking: Data transfer • Off: Disabled

6	5G Wi-Fi	On: Enabled • Blinking: Data transfer • Off: Disabled
7	WPS	On: Paired • Blinking: Pairing • Off: Inactive
8	NET	On: Internet access • Off: No connection

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