HSGQ X200AXFD WIFI-6

Variants

APC UPC

Details

The **WiFi 6 AX3000 GPON/EPON ONU** is a high-performance optical network unit designed for FTTH home and office broadband access. It supports both GPON and EPON networks, delivering fast fiber internet with powerful dual-band WiFi 6 coverage.

With AX3000 wireless performance, 4 external antennas, Easy Mesh support, VLAN, QoS, IPTV, TR069, IPv4/IPv6, and remote management features, this ONU is suitable for ISP deployment, enterprise access, and high-speed home networking.

WiFi Speed	**AX3000**
PON Mode	**GPON / EPON**
Antennas	**4 × 5dBi**

Distance

20km

Key Features

? WiFi 6 AX3000 Dual Band Wireless Performance

? GPON / EPON Adaptive Network Support

? 2.4GHz 574Mbps + 5GHz 2402Mbps

? VLAN, QoS, NAT, IPTV & Port Forwarding

? TR069, Remote Upgrade & ONU Auto Discovery

? Easy Mesh & Cloud Management Support

Technical Specifications

Category	Specification
Product Type	WiFi 6 AX3000 GPON/EPON ONU
Application	FTTH Home / Office Broadband Access
PON Standard	GPON ITU-T G.984 / EPON IEEE 802.3ah
Transmission Distance	Up to 20 km
Network Features	VLAN, QoS, Port Binding, Port Forwarding, NAT, IPTV

Category	Specification
Protocol Support	PPPoE, DHCP Server, TR069, IPv4 / IPv6
Management	Remote Upgrade, ONU Auto-discovery, Cloud & Easy Mesh
DBA / Alarm	Dynamic Bandwidth Allocation & Alarm Function Supported

WiFi & Hardware Specifications

Parameter	Specification
WiFi Standard	IEEE 802.11 a/b/g/n/ac/ax
Total Wireless Speed	Up to 3000 Mbps
WiFi Speed	574 Mbps 2.4GHz + 2402 Mbps 5GHz
SSID	Up to 8 SSIDs
Channel Width	20 / 40 / 80 / 160 MHz
Wireless Security	WEP, WPA, WPA2, WPA3
CPU	RTL9607FD
WiFi Chipset	RTL8192XBR + RTL8832CR
Memory	128MB Flash, 512MB DDR
Ports	2 × 10/100/1000 Mbps RJ45
Antenna	4 × 5 dBi External Antennas

PON Optical Specifications

Parameter	Specification
GPON Speed	Down: 2.5Gbps, Up: 1.25Gbps
GPON Optical Power	TX: 0 to +4 dBm, RX: -7 to -28 dBm
EPON Speed	Down: 1.25Gbps, Up: 1.25Gbps
EPON Optical Power	TX: 0 to +4 dBm, RX: -7 to -27 dBm

Power & Environmental

Power Supply	12V / 1.5A DC
Dimensions	186 × 136 × 33.5 mm
Operating Temperature	0°C to +50°C
Storage Temperature	-40°C to +80°C
Humidity	10–85% Operating, 5–95% Storage

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