

# HSGQ X200AXFD WIFI-6

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## Variants

APC UPC

## Details

### WiFi 6 AX3000 GPON/EPON ONU

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
Protocol Support	PPPoE, DHCP Server, TR069, IPv4 / IPv6
Management	Remote Upgrade, ONU Auto-discovery, Cloud & Easy Mesh
DBA	Supported (Dynamic Bandwidth Allocation)
Alarm Function	Supported
WiFi Standard	IEEE 802.11 a/b/g/n/ac/ax (WiFi 6)
WiFi Speed	574 Mbps (2.4 GHz) + 2402 Mbps (5 GHz)
Total Wireless Speed	Up to 3000 Mbps (AX3000)
SSID	Up to 8 SSIDs
Channel Width	20 / 40 / 80 / 160 MHz

Category	Specification
Wireless Features	Auto Channel Selection, Hidden SSID
Wireless Security	WEP, WPA, WPA2, WPA3
CPU	RTL9607FD
WiFi Chipset	RTL8192XBR + RTL8832CR
Memory	128 MB Flash, 512 MB DDR
Ports	2 × 10/100/1000 Mbps RJ45
GPON Speed	Down: 2.5 Gbps, Up: 1.25 Gbps
GPON Optical Power	TX: 0 to +4 dBm, RX: -7 to -28 dBm
EPON Speed	Down: 1.25 Gbps, Up: 1.25 Gbps
EPON Optical Power	TX: 0 to +4 dBm, RX: -7 to -27 dBm
Antenna	4 × 5 dBi External Antennas
Wireless Band	2.4 GHz & 5 GHz
Frequency Range	2.4 GHz (Channels 1–13), 5 GHz (5.15–5.85 GHz)
Wireless Channels	36–165 (Multiple channels supported)
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)