

HSGQ X200AXFD WIFI-6

Variants

APC UPC

Details

WiFi 6 AX3000 GPON/EPON ONU – Specification

This ONU comes with WiFi 6 AX3000 and supports both GPON and EPON. It is designed for stable internet, long-distance PON links, and strong wireless coverage at home or office.

Main Features

- Supports up to 20 km PON transmission distance
- Works with IEEE802.3ah and ITU-T G.984
- Automatic ONU discovery and remote upgrade
- VLAN, QoS, Port Binding, Port Forwarding supported
- Supports DBA (Dynamic Bandwidth Allocation)
- Alarm function for easy fault detection
- TR069 support for remote configuration
- PPPoE, DHCP Server, IPTV, NAT supported
- IPv4 / IPv6 supported
- Easy Mesh and Cloud Management

WiFi 6 (AX3000) Features

- Speed: **574 Mbps (2.4 GHz) + 2402 Mbps (5 GHz)**
- Supports 802.11a/b/g/n/ac/ax
- Up to 8 SSIDs
- Automatic channel selection
- Supports hidden SSID
- Channel width: 20/40/80/160 MHz

Wireless security: WEP, WPA, WPA2, WPA3

Technical Details

Hardware

CPU: RTL9607FD

WiFi Chip: RTL8192XBR + RTL8832CR

Flash: 128 MB

DDR: 512 MB

Ports: 2 × 10/100/1000M RJ45

PON

GPON Mode

Upstream: 1.25 Gbps

Downstream: 2.5 Gbps

TX Power: 0 to +4 dBm

RX Sensitivity: -7 dBm to -28 dBm

EPON Mode

Upstream: 1.25 Gbps

Downstream: 1.25 Gbps

TX Power: 0 to +4 dBm

RX Sensitivity: -7 dBm to -27 dBm

Antenna

4 × 5 dBi external antennas

Size

186 mm (L) × 136 mm (W) × 33.5 mm (H)

Environment

Working temp: 0°C to 50°C

Storage temp: -40°C to 80°C

Humidity: 10%–85% (working), 5%–95% (storage)

Power

12 V / 1.5 A DC

Wireless Band

5 GHz: 5.15–5.85 GHz

2.4 GHz: Channels 1–13

Wireless Channels

36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165

Wireless Speed

Up to 3000 Mbps

Security

WPA-PSK, WPA2-PSK, WPA3-SAE

[Download HSGQ-X200AXFD : Data sheet in PDF File](#)
