

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: $2 \times 10/100/1000\text{M RJ45}$

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

$4 \times 5\text{ dBi}$ external antennas

Size

$186\text{ mm (L)} \times 136\text{ mm (W)} \times 33.5\text{ mm (H)}$

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](#)