

# APH5-AX830SFP Product Specifications

## Product Overview

Mosslink APH5-AX830SFP is a high-performance dual-band 802.11AX product that can provide 2.4GHz and 5GHz dual-band wireless services. The 2.4GHz frequency provides a maximum access rate of 574Mbps, and the 5GHz frequency provides a maximum access rate of 2402Mbps.

## Product Features

- The use of high-performance chips has greatly expanded the user capacity and can support up to 128 users.
- The heat sink adopts a snap-on structure design and surface nano-coating treatment, which makes the heat dissipation effect more ideal.
- The radio frequency adopts high-power FEM, which has stable performance, wide wireless range and longer transmission distance.
- The built-in lightning protection design greatly enhances the protection capability of the equipment.



Hardware specifications	
2.4GHz Frequency Band	2.4GHz ~ 2.484GHz (802.11 b/g/n/ax)
5GHz Frequency Band	5.150GHz ~ 5.850GHz (802.11 a/n/ac/ax)
External Antenna 2.4GHz	2 × 2.4GHz antennas, each gain: 6dBi
External Antenna 5GHz	2 × 5GHz antennas, each gain: 6dBi
Wireless Speed	2.4GHz provides a maximum access rate of 574Mbps, and 5GHz provides a maximum access rate of 2402Mbps
Device Capacity	192
2.4GHz Tx Power	<26±2dBm

5GHz Tx Power	<25±2dBm
Interface	1 × 10/100/1000Mbps WAN port, support PoE 48V power supply 1 × Gigabit SFP port 1 × 10/100/1000Mbps adaptive LAN port
Button	reset button(Press and hold for 6-10 seconds to restore to factory default settings)
Status indicator	Silk-screen PWR: Power indicator light (green, always on when powered on; off when not powered on) Silkscreen ETH1: Gigabit optical port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data) Silkscreen ETH2: Gigabit WAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data) Silkscreen ETH3: Gigabit LAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data) Silkscreen WiFi: WiFi status (green, any WiFi is turned on, flashing once per second, WiFi is turned off) Silk-screen GPS: Positioning status indicator (green, positioned, always on, positioning, flashing, module abnormal, off) Silkscreen BLE: Bluetooth status (green, Bluetooth on, always on, data sent or received, flashing, Bluetooth off, off)
Power Supply	DC2.0 12V $\overline{\text{---}}$ 2A. PoE802.3at
Power Consumption	< 20 W
Dimensions	230mm × 180mm × 47.1mm
Net Weight	0.85kg
Work Environment	Normal operating temperature: -30°C to 55°C Storage temperature: -40°C to 70°C Humidity: 5% to 95% (no condensation)
Protection Level	IP65

Software Features	
Front Page	Working mode: Fat AP mode and Thin AP mode Wireless AP download rate, wireless AP upload rate, running time Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then accesses the Internet using static IP, DHCP or PPPoE AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.

Wireless Capabilities	<p>SSID Broadcast</p> <p>Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID</p> <p>Hide SSID function</p> <p>Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES</p> <p>Wireless MAC address filtering: support whitelist</p> <p>WiFi timer off function</p> <p>User isolation: isolation between wireless networks and isolation within APs</p> <p>Transmit power setting</p> <p>Wireless client number limit</p> <p>QoS: WMM</p>
Network Features	<p>Connection method: static address, obtained from the management server, obtained from the gateway</p> <p>DHCP server: It can be a built-in DHCP server or an external DHCP server</p> <p>Cloud Platform Server</p> <p>Firewall function</p> <p>PPPoE function: Support PPPoE dial-up function</p>
Device Management	<p>Backing up configuration information</p> <p>Restore configuration information</p> <p>Restore factory settings</p> <p>Restart includes scheduled restart and immediate restart</p> <p>Firmware Upgrade</p> <p>Time management includes system display time and time synchronization</p> <p>System log</p> <p>Fat and thin AP switching function</p>