

# HSGQ-F881



## Product Description

HSGQ-F881 is a PoF ceiling-mounted optical AP in FTTH solution. HSGQ-F881 provides 1\*GE LAN port, 1 2.5GE PD port and AX3000 WiFi, high-speed access, downlink 2.5Gbps, uplink 1.25Gbps; supports plug-and-play, OMCI and TR069 remote maintenance functions; supports optical-electrical hybrid cable access, no power adapter required

## Technical Parameter

Module	Parameter
User Interface	1*GE RJ45
	1*2.5GE RJ45 PD
	2.4GHz: 574Mbps, 5.8GHz: 2402Mbps
PON	GPON and EPON mode self-adaptation Interface mode: Optical-electric composite cable
	GPON: upstream 1.25Gbps /downstream 2.5Gbps Transmit optical power: 0~4dBm Optical Power: -7dBm~-28dBm
	EPON: upstream 1.25Gbps /downstream 1.25Gbps Transmit optical power: 0~4dBm Optical Power: -7dBm~-27dBm
	PoF Input voltage: 48V-57V PoF Transmission distance: 300m
Ethernet	1*10/100/1000/2500M self-adaption Transmission distance: 100m
Size	188*188*43mm
Environment	Operating temperature: -10°C~50°C
	Operating humidity: 0%~85% (non-condensing)
	Storage temperature: -40°C~80°C
	Storage temperature: 5%~95% (non-condensing)
Power Supply	PoF: 48V-52V, 0.25A
	DC: 12V/1.5A
Power Consumption	<12W

## Key Feature

- Adopting point-to-multipoint network topology, effectively collecting and converging the scattered Ethernet services of users, and providing standard RJ45 Fast Ethernet interface on the user side
- Dynamic bandwidth allocation mechanism enables all users to share bandwidth more reasonably, achieve reliable quality of service (QoS), and ensure the service quality of different services in the same network
- Support IGMP multicast to effectively utilize broadband
- Support multicast VLAN
- Provides remote management via OLT and supports local console management
- Support line loopback detection function of user-side Ethernet interface
- Support IEEE 802.1q VLAN protocol
- Support broadcast storm suppression
- Support IEEE802.3x flow control (full duplex)
- Support IEEE 802.1p, CoS protocol
- Support WR and SP queue scheduling algorithms
- Support port speed limit
- Support -10°C~50°C working environment
- Supports IPv4 and IPv6
- Support cloud management
- Support PoF, support PD

## WiFi6 AX3000

Standard	IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Wireless frequency	2.4GHz/5GHz
Rate	2.4GHz: Up to 574Mbps
	5GHz: Up to 2402Mbps
EIRP	2.4GHz: 23dBm±2dbm
	5GHz: 26dBm±1dbm
Wireless Security	WPA/PA2 Hybrid

## Ordering Information

Product Model	Descriptions
HSGQ-F881	1*10/100/1000M Ethernet interface(RJ45)
	1*10/100/1000/2500M Ethernet interface PD(RJ45, PD)
	2.4GHz: 574Mbps, 5.8GHz: 2402Mbps
	1 EPON & GPON adaptive interface

For more information, please visit: <http://www.hsgq.com>

