HSGQ-F881 WIFI 6

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Variants

WIFI-6 ONU SC UPC

Details

HSGQ-F881 PoF Ceiling WiFi 6 AP (XPON)

The HSGQ-F881 is a high-performance PoF (Power over Fiber) ceiling-mounted WiFi 6 access point designed for FTTH, hotels, offices, schools, and smart building deployments. It integrates XPON (GPON/EPON) optical access with WiFi 6 technology, delivering high-speed wireless connectivity and simplified installation without the need for external power cabling.

With dual-band AX3000 WiFi performance, 2.5GE Ethernet support, and PoF transmission up to 300 meters, the HSGQ-F881 is an ideal solution for modern fiber-based indoor networks.

Product Specification

Category	Specification
Model	HSGQ-F881
Product Type	PoF Ceiling-Mounted Optical WiFi AP (XPON)
Application	FTTH, Hotels, Offices, Schools, Smart Buildings
User Interface	1 × GE RJ45 + 1 × 2.5GE RJ45 (PD)
WiFi Standard	WiFi 6 (AX3000)
WiFi Speed	2.4GHz: 574 Mbps / 5GHz: 2402 Mbps

Category	Specification
PON Mode	GPON / EPON Adaptive
Interface Mode	Optical-Electrical Composite Cable
GPON Speed	Up: 1.25 Gbps / Down: 2.5 Gbps
GPON TX Power	0 ~ +4 dBm
GPON RX Power	-7 to -28 dBm
EPON Speed	Up: 1.25 Gbps / Down: 1.25 Gbps
EPON TX Power	0 ~ +4 dBm
EPON RX Power	-7 to -27 dBm
PoF Input	48V – 57V
PoF Distance	Up to 300 m
Ethernet Speed	10/100/1000/2500 Mbps Auto
Ethernet Distance	Up to 100 m
Power Supply	PoF: 48–52V / DC: 12V 1.5A
Power Consumption	12 W
Management	OMCI / TR-069 / Cloud / OLT Remote
VLAN	IEEE 802.1Q VLAN, Multicast VLAN
QoS	DBA, 802.1p, CoS, WR/SP Scheduling
Multicast	IGMP Snooping
Flow Control	IEEE 802.3x
Loop Detection	Supported

Category	Specification
Storm Control	Broadcast suppression
IP Support	IPv4 / IPv6
Installation	Ceiling Mount (No external power cable required)
Dimensions	188 × 180 × 43 mm
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +80°C
Humidity	0%–85% (working), 5%–95% (storage)
Enclosure	Compact indoor design

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