PoF MDU XPON ONU

Variants

HSGQ-F400P

Details

HSGQ-F400P Industrial GPON / EPON PoF ONU

4× Gigabit PoE • GPON / EPON • Power over Fiber (PoF) • Industrial Grade

Product Overview

The **HSGQ-F400P** is an industrial **GPON / EPON adaptive ONU** designed for **Power over Fiber (PoF)** and remote PoE network applications.

It provides **4 Gigabit Ethernet PoE ports** for connecting and powering IP cameras, wireless access points, industrial network equipment and other compatible PoE devices.

Quick Specifications

Model
HSGQ-F400P

PON Type
GPON / EPON Adaptive

PON Port
1 × SC Optical Port

Ethernet Ports
4 × Gigabit RJ45 PoE

PoE Output
Up to 30W Per Port

Total PoE Budget
Up to 120W

Input Voltage
48V – 57V DC

Operating Temperature
-30°C to +70°C

Key Features

? GPON & EPON auto-adaptive technology

? Supports Power over Fiber (PoF)

? 4 × Gigabit Ethernet PoE ports

? IEEE 802.3af / IEEE 802.3at PoE

? Maximum 30W PoE output per port

? Maximum 120W total PoE budget

? OMCI remote management

? VLAN, QinQ, Trunk & VLAN Translation

? IGMP multicast / IPTV support

? IPv4 / IPv6 compatible

? Cloud management support

? Industrial wide-temperature operation

PON Specifications

GPON Downstream:
2.5Gbps

GPON Upstream:
1.25Gbps

EPON Downstream:
1.25Gbps

EPON Upstream:
1.25Gbps

Transmit Optical Power:
0 to +4 dBm

GPON Receive Optical Power:
-7 to -28 dBm

EPON Receive Optical Power:
-7 to -27 dBm

PoE Specifications

PoE Standard:
IEEE 802.3af / IEEE 802.3at

PoE Ports:
4 × Gigabit Ethernet RJ45

Maximum Per Port:
30W

Total PoE Power:
120W Maximum

PoE Pin Assignment:
1/2 (+), 3/6 (-)

Power Input:
48V – 57V DC

Maximum Power Consumption:
<130W

Physical & Environmental

Dimensions:
190 × 85 × 28 mm

Operating Temperature:
-30°C to +70°C

Operating Humidity:
0% – 85% RH, Non-condensing

Storage Temperature:
-40°C to +80°C

Storage Humidity:
5% – 95% RH, Non-condensing

Network & Management

ONU Management:
OMCI Remote Management

VLAN:
VLAN, QinQ, Trunk & VLAN Translation

Multicast:
IGMP / IPTV Support

IP Support:
IPv4 / IPv6

Cloud:
Cloud Management Supported

LED Indicators

PWR: Power Status

PON: ONU Registration Status

LOS: Optical Signal Status

LAN: Ethernet Link Status

PoE: PoE Power Status

Applications

? Power over Fiber (PoF) Networks

? Outdoor CCTV & IP Cameras

? Remote Wireless Access Points

? Industrial Ethernet Networks

? Smart City Infrastructure

? ISP & Telecom Networks

? Remote PoE Device Deployment

? Industrial IoT Applications

PoF Installation Note

Power over Fiber deployments require suitable optical composite cable, power equipment and correct voltage selection. Please confirm the complete PoF system design before installation.

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