

PoF MDU XPON ONU

Variants

HSGQ-F400P

Details

The **HSGQ-F400P Industrial GPON / EPON PoF ONU** is a high-performance industrial optical network unit designed for **FTTH, industrial networking, outdoor CCTV, smart city infrastructure, telecom operators, ISPs, and Power over Fiber (PoF) applications.**

Supporting both **GPON and EPON auto-adaptive technology**, the HSGQ-F400P delivers optical communication and remote PoE power through an optical composite cable. It features **4 Gigabit Ethernet PoE output ports**, making it ideal for powering IP cameras, wireless access points, industrial controllers, and other remote Ethernet devices without requiring local AC power.

PON Type

GPON / EPON

Ethernet Ports

4 × GE PoE

PoE Output

120W Max

Operating Temp.

-30°C ~ +70°C

Key Features

? GPON & EPON Auto-Adaptive Technology

? Supports Power over Fiber (PoF)

? 4 × Gigabit Ethernet PoE Output Ports

? IEEE 802.3af / 802.3at PoE Support

? Up to 30W Per PoE Port

? Total PoE Budget up to 120W

? Plug & Play Installation

? OMCI Remote Management

? Supports VLAN, QinQ, Trunk & VLAN Translation

? IGMP Multicast & IPTV Support

? IPv4 / IPv6 Compatible

? Cloud Management Support

? Industrial Wide Temperature Design

Technical Specifications

Category	Specification
Model	HSGQ-F400P
User Interface	4 × Gigabit Ethernet RJ45 (PoE)
PON Interface	1 × GPON / EPON Adaptive SC Port
Interface Mode	Optical Composite Cable (PoF)
GPON Speed	Downlink 2.5Gbps / Uplink 1.25Gbps
EPON Speed	Downlink 1.25Gbps / Uplink 1.25Gbps
Transmit Optical Power	0 ~ +4 dBm
Receive Optical Power	GPON: -7 ~ -28 dBm EPON: -7 ~ -27 dBm
PoE Standard	IEEE 802.3af / IEEE 802.3at
PoE Output	30W Maximum Per Port
Total PoE Power	120W Maximum
PoE Pin Assignment	1/2 (+), 3/6 (-)

Category	Specification
Input Voltage	48V ~ 57V DC
Power Consumption	130W
Dimensions	190 x 85 x 28 mm
Operating Temperature	-30°C ~ +70°C
Operating Humidity	0% ~ 85% RH (Non-condensing)
Storage Temperature	-40°C ~ +80°C
Storage Humidity	5% ~ 95% RH (Non-condensing)

LED Indicators

Indicator	Description
PWR	Power Status
PON	ONU Registration Status
LOS	Optical Signal Status
LAN	Ethernet Link Status
POE	PoE Power Status

Applications

FTTH & FTTx Networks

Power over Fiber (PoF) Solutions

Outdoor CCTV Surveillance

Industrial Ethernet Networks

Smart City Infrastructure

ISP & Telecom Networks

Remote PoE Camera Deployment

Industrial IoT Applications

Why Choose D-TECH?

D-TECH supplies high-quality **Industrial GPON/EPON ONUs, PoF Solutions, Industrial Ethernet Switches, OLTs, Optical Fiber Cables, and FTTH networking equipment** for ISPs, telecom operators, industrial automation, and surveillance projects throughout Nepal. We also provide technical consultation, deployment support, and after-sales service for complete fiber optic networking solutions.