HSGQ-X410DW ONU

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Variants

UPC　APC

Details

The **X410DW XPON WiFi ONU** is a high-performance optical network unit designed for FTTH broadband access. It supports **GPON / EPON adaptive mode**, 4 Gigabit Ethernet ports, and dual-band 2.4GHz + 5GHz WiFi for stable home, office, and ISP fiber network connectivity.

With remote management support through WEB, TELNET, TR069, OMCI, and OAM, the X410DW is easy to deploy, manage, and maintain for telecom operators, ISPs, and enterprise fiber networks.

LAN Ports	**4 × GE**
WiFi	**Dual Band**
PON Mode	**GPON / EPON**

Distance

20 km

Key Features

? XPON ONU with GPON / EPON Adaptive Mode

? 4 × 10/100/1000M Gigabit RJ45 Ports

? Dual Band 2.4GHz + 5GHz WiFi

? SC/UPC or SC/APC Optical Interface

? Transmission Distance up to 20 km

? ONU Authentication Supported

? WEB / TELNET / TR069 / OMCI / OAM Management

? Suitable for FTTH Home & Office Broadband

General Specifications

Category	Specification
Product Type	XPON ONU (GPON / EPON Adaptive)
User Interface	4 × 10/100/1000M RJ45
WiFi	2.4GHz + 5GHz Dual Band

Category	Specification
PON Mode	GPON / EPON Adaptive
Optical Interface	SC/UPC or SC/APC
Coverage Distance	Up to 20 km
ONU Authentication	Supported

PON Performance

GPON Speed	Up: 1.25Gbps / Down: 2.5Gbps
GPON RX Sensitivity	-7 to -28 dBm
GPON TX Power	+0.5 to +5 dBm
EPON Speed	Up: 1.25Gbps / Down: 1.25Gbps
EPON RX Sensitivity	-7 to -27 dBm
EPON TX Power	0 to +4 dBm

Ethernet Features

Ports	4 × Gigabit RJ45
Mode	Auto-Negotiation
Duplex	Full / Half Duplex

Connector	RJ45
MDI / MDIX	Auto
Distance	Up to 100 m

Power & Physical

Power Supply	DC 12V / 1.5A
Power Interface	2.1mm / 5.5mm
Power Consumption	12W
Dimensions	160 × 110 × 25 mm

LED Indicators

Indicator	Status	Description
POWER	On / Off	Power status
PON	On / Blinking / Off	Registered / Registering / Failed
LOS	On / Off	Signal Loss / Normal
LAN	On / Blinking / Off	Link / Data / No Connection
2.4G	On / Blinking / Off	WiFi Active / Data / Off
5G	On / Blinking / Off	WiFi Active / Data / Off

Indicator	Status	Description
WPS	On / Blinking / Off	Connected / Connecting / Idle
NET	On / Off	Internet Access Status

Applications:

FTTH Broadband Internet • ISP Fiber Network Deployment • Home WiFi Access • Office Fiber Connectivity • IPTV Service • GPON / EPON Network Access

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