

FD602X-X-Z410 1GE+1FE+1POTS XPON ONU



Overview

FD602X-X-Z410 dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.

FD602X-X-Z410 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. It can be used in connection with our company FD16 series GPON OLT or FD11 / 12 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT. The device performance and functions also meet IEEE802.3ah, ITU-T G984 technical specifications.

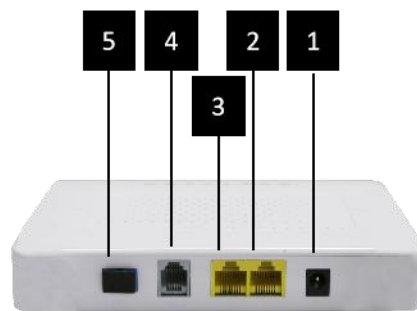
With support for IPv6/IPv4 Dual Stack function, the FD602X-X-Z410 helps operators and end users to achieve IPv6-based network with smooth evolution. This will create more business space for operators and bring future-oriented digital life to users.

Features

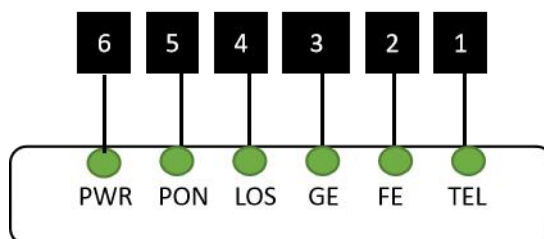
- In compliant with ITU-T G.984 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support VLAN transparent, tag configuration
- Support multicast Snooping/Proxy
- Support DHCP/Static/PPPOE internet mode

- Support port-binding
- Support OAM/OMCI+TR069 remote management
- Support data encryption and decryption function
- Support loop-detection function
- Support device-based speed limitation
- Support MAC filter and URL access control
- Support H.248 and SIP protocol
- Support power-off alarm function ,easy for link problem detection
- EMS network management based on SNMP ,convenient for maintenance

Product Interface and LED Definitions



- | | |
|---|---------------|
| 1 | DC Power Port |
| 2 | GE Port |
| 3 | FE Port |
| 4 | Voice Port |
| 5 | Optical Port |



- | | |
|---|------------------------|
| 1 | Voice Port Status |
| 2 | FE Port Status |
| 3 | GE Port Status |
| 4 | Optical Signals Status |
| 5 | ONU Register Status |
| 6 | Power Status |

Indicator			Description
1	TEL	Telephone port status	On: The connection between the TEL port and the voice server has been set up Blinking: The voice service of the TEL port is established; Off: The connection between the TEL port and the voice server is not set up.
2	FE	FE port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
3	GE	GE port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
4	LOS	XPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
5	PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off: In process of registering to OLT;
6	PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;

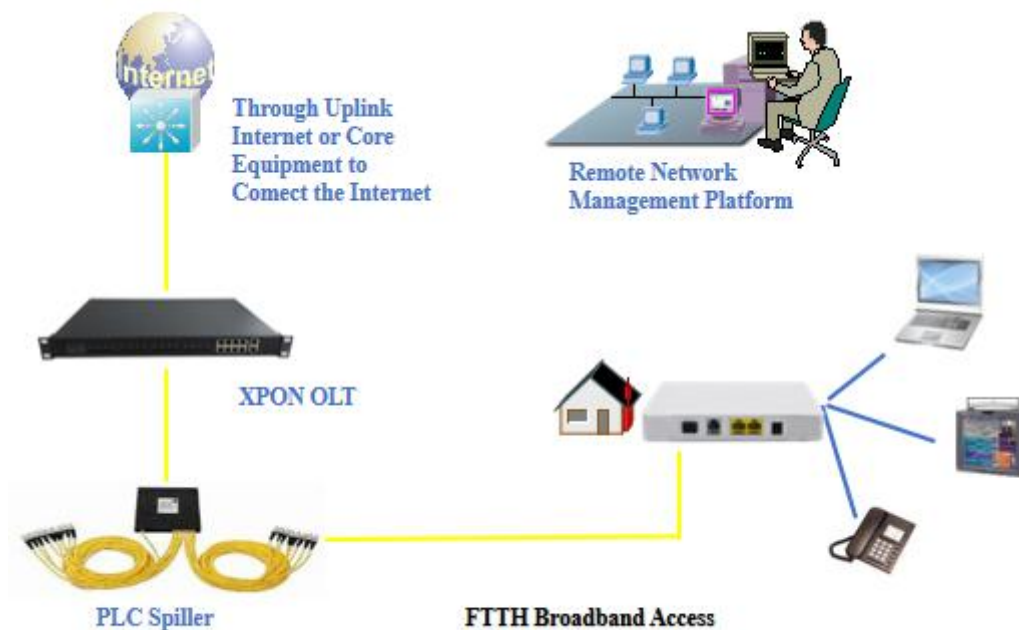
Specification

Item	Parameters	Specification
Interface	EPON/GPON Interface	SC/UPC single mode single fiber GPON: FSAN G.984.2 standard, Class B+ EPON: 1000BASE-PX20+ symmetric GPON: 2.488Gbps/1.244Gbps downstream/upstream EPON: 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON: -28dBm EPON: -27dBm Saturated power : GPON: -8dBm EPON: -3dBm Transmitting power : GPON: 0.5~5dBm EPON:0~4dBm
	Ethernet Port(LAN)	1*10/100/1000M and 1*10/100M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	POTS Port	1*RJ11 Max 1km distance Balanced Ring, 50V RMS
	Power Supply Port	12V DC input
Management	Management Mode	OMCI, OAM, TR069, WEB, Telnet

	Management Function	Status monitor, Configuration management, Alarm management, Log management
Environmental Specifications	Power	External 12V/0.5A DC power supply adapter Power consumption: <5W
	Dimension and Weight	Item Dimension: 160mm(L)*112mm(W)*28.5mm(H) Item Net Weight: about 200g
	Environment	Operating Temperature: 0~40°C Operating Humidity: 10%~90%(Non-condensing)

Network Application

- ✧ Solution: FTTH, FTTO
- ✧ Business: Broadband Internet, Voice, IPTV



Ordering Information

Product Name	Product Model	Descriptions
1GE+1FE+1POTS	FD602X-X-Z410	1*10/100/1000M and 1*10/100M Ethernet interface, 1*POTS interface, 1 GPON/EPON adaptive optical interface, plastic casing, external power supply adapter