XPON ONU

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High Speed CPU

Low Power Consumption

Optional Shell Supply

Software Customization

Brief Views

FD G-X-F 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.

FD G-X-F features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome/Alcatel-Lucent. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

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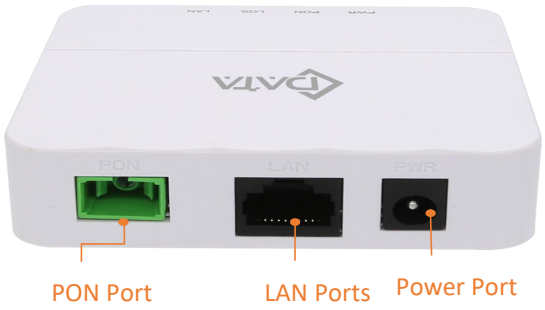
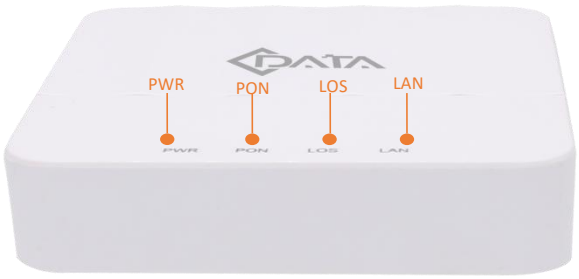
Functional Feature

- In compliant with IEEE . ah and ITU - T G. standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support port VLAN configuration
- Support mac-address learning
- Support port-based rate limitation and bandwidth control
- Support port flow-control
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support three layer routing function
- EMS network management based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection

Product Interface and LED





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LED Definitions

Indicator		Description
PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;
PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off:Failed to register to OLT or no normal optical signal input;
LOS	XPON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;

Hardware

- **GPON/EPON Port**
  - Single mode single fiber
  - GPON：FSAN G. . standard, Class B
  - EPON： BASE-PX symmetric
  - GPON： . Gbps/ . Gbps downstream/upstream
  - EPON： . Gbps downstream/upstream
  - Wavelength :
    Transmit: nm Receiver: nm
  - Receiving sensitivity :
    GPON：- dBm EPON：- dBm
  - Saturated power :
    GPON：- dBm EPON：- dBm
  - Transmitting power :

GPON： . ～ dBm EPON: ～ dBm

- **User Port(LAN)**
  - * / / M Auto-negotiation RJ ports
  - Full Duplex / Half-Duplex
  - RJ , Auto-MDI/MDI-X
  - Transmission Distance Meter

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- **Indicators**
- PWR / PON / LOS / LAN
- **Power**
- External V/ . A DC power supply adapter
- Power consumption: W
- **Dimension and Weight**
- Item Dimension：
- mm(L) x mm(W) x . mm (H)
- Item weight：about . g
- **Environmental Specifications**
- Operating temperature: to °C
- Operating humidity: to (Non-condensing)

Software

- **Management**
- EPON :OAM / WEB / TR / Telnet
- GPON:OMCI / WEB / TR / Telnet
- **Register**
- Auto-discovery/Link detection/Remote upgrade software
- Auto/MAC/SN/LOID Password authentication
- **L3**
- IPv /IPv Dual Stack
- NAT
- DHCP client/server
- PPPOE client/ Pass through
- Static and dynamic routing
- **Switch**
- MAC address learning
- MAC address learning account limit
- Port isolation
- Port flow control
- Broadcast storm suppression
- VLAN transparent/tag/translate/trunk
- **Multicast**
- IGMP V
- IGMP VLAN
- IGMP transparent/Snooping/Proxy
- **Security**
- Firewall
- MAC address/URL filter
- Remote WEB/Telnet access control

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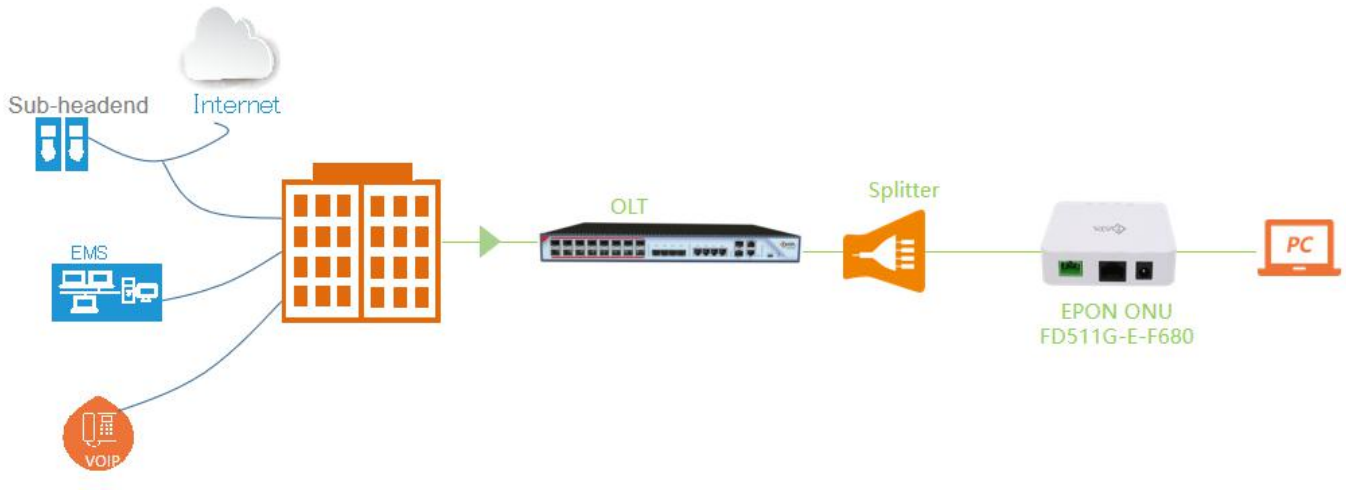
Application

- Typical Solution：FTTH
- Typical Business：Internet



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