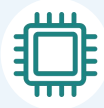




PU-X645

XPON 4GE + WiFi



High Speed CPU



Low Power Consumption



Optional Shell Supply



Software Customization

Brief Views

PU-X645 is a dual-mode ONU that 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.

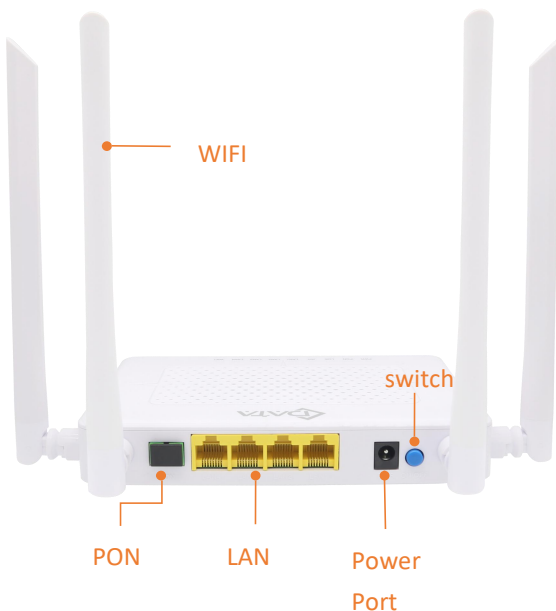
PU-X645 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.

PU-X645 integrates wireless function which meets 802.11 b/g/n/ac technical standards. At the same time, it also supports 2.4GHz/5GHz dual-band wireless signal. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

Functional Feature

- In compliant with IEEE802.3ah and ITU - T G.984 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 broadcasting storm resistance function
- Meet 802.11 b/g/n/ac WIFI technical standard
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support remote management configuration
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- EMS network management based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection

Product Interface and LED



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;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
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;
WIFI	WIFI	Blinking: Data is being transmitted On: WIFI function Opens

Hardware

High Speed CPU

● GPON/EPON Port

- 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

Optional Shell Supply

● User Port(LAN)

- RJ-45 connector
- 4*10/100/1000 Mbps adaptive Ethernet port
- Full/half duplex
- Auto MDI/MDI-X

Software Customization

● WIFI performance parameters

- IEEE802.11b/g/n(2.4G)
- IEEE802.11a/b/g/n/ac(5G)
- Max rate: 300M(2.4G)
- Max rate: 867Mbps(5G)
- Antenna gain: 5dBi
- Max TX power: 2.4G: 17dBm
- Max TX power: 2.4G: 20dBm 5G: 20dBm

- **Indicators**
 - PWR / PON / LOS / LAN/WPS/WIFI
- **Power**
 - External 12VDC/1A power supply adapter
 - Power consumption: <6W
- **Dimension and Weight**
 - Item Dimension:
 - 160mm(L) x 139.5mm(W) x 28.5mm (H)
 - Item weight: 0.228kg
- **Environmental Specifications**
 - Operating temperature: 0 to 40° C
 - Storage temperature: -40 to 85° C
 - Operating humidity: 10% to 90%(Non-condensing)

Software

- **Management**
 - EPON :OAM / WEB / TR069 / Telnet
 - GPON:OMCI / WEB / TR069 / Telnet
- **Register**
 - Auto-discovery/Link detection/Remote upgrade software
 - Auto/MAC/SN/LOID+Password authentication
- **Switch**
 - MAC address learning
 - MAC address learning account limit
 - Broadcast storm suppression
 - VLAN transparent/tag/translate/trunk
- **L3**
 - IPv4/IPv6 Dual Stack
 - NAT
 - DHCP client/server
 - PPPOE client/ Pass through
 - Static and dynamic routing
- **Multicast**
 - IGMP V2
 - IGMP VLAN
- **Security**
 - Firewall
 - MAC address/URL filter
 - Remote WEB/Telnet access control
- **Wireless**
 - 2.4G: 4*SSID
 - 5G: 4*SSID
 - 2*2 MIMO
 - SSID broadcast/ hide
 - Choose channel automatically