soltek
beyond the edge

FTTH xPON ONT 4LAN WiFi-5

ST-XP133

Key Features :

- XPON Dual Mode
- Plug and play,auto-detecting, auto-configuration
- 802.11n/ac dual band WiFi

- Support full functional management by VSOL OLT
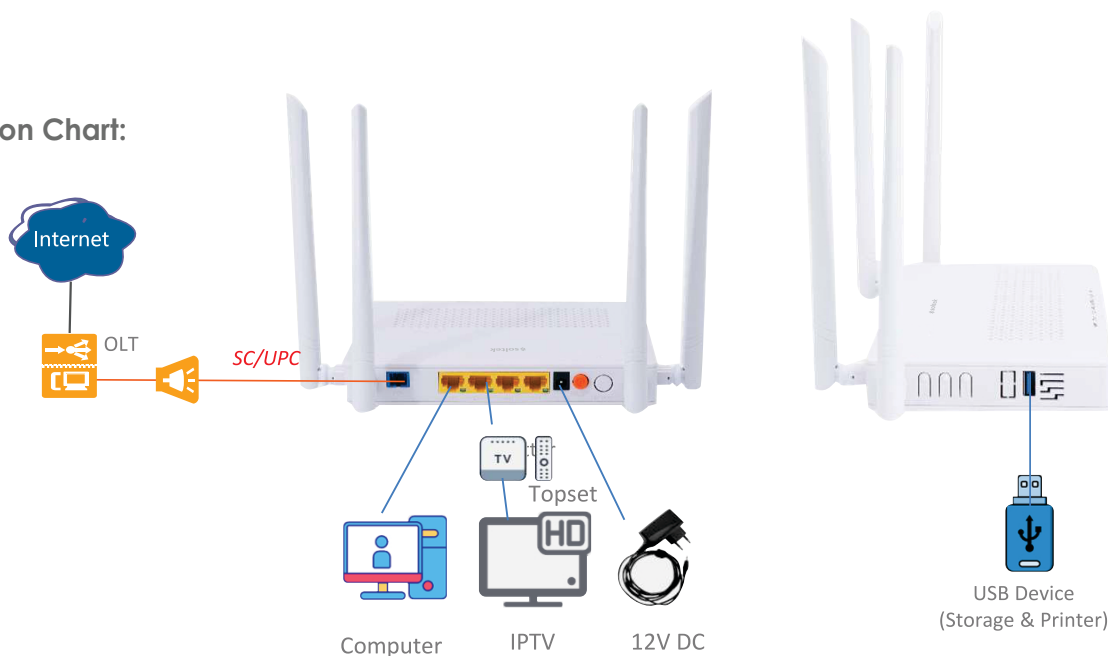- Support guaranteed QoS
- Support IPv4/IPv6

Introduction:

ST-XP133 (4GE+USB3.0+WiFi5 XPON ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac WiFi 5 technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of
international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:

Internet

OLT

SC/UPC

Topset

Computer   IPTV   12V DC

USB Device
(Storage & Printer)

Function Data

O&M	• OAM/OMCI,Telnet,WEB,TR069 • Support full functional management by VSOL OLT
Connect Mode	Support bridge, router & bridge/router mixed mode
Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	• Integrated 802.11b/g/n/ac • Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type:DSSS,CCK and OFDM • Encoding scheme:BPSK,QPSK,16QAM and 64QAM
L3	• Support NAT, Firewall • Support IPv4/IPv6 dual stack
Other funtion	• Integrated OAM/OMCI remote configuration and maintenance function • Support rich QinQ VLAN functions and IGMP snooping multicast features

Hardware Parameter

Dimension	178mm×120mm×30m(Dimension L×W×H)
Net weight	0.42Kg
Operating condition	• Operating temp: 0°C~+50°C • Operating humidity:10%~90%(non-condensing)
Storing condition	• Storing temp:-30° ~ +70°C • Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC 12V/1A
Power supply	12W
Interfaces	4GE+1USB+WiFi 5
USB	1*USB 3.0
LED Indicators	PWR, LOS, PON, LAN1 ~ LAM4, 2.4GHz, 5GHz, USB

Interface Parameter

PON interface	• 1XPON port(EPON PX20+ & GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0 +4dBm • RX sensitivity:-27dBm • Overload optical power:-3dBm(EPON) or-8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
WIFI interface	• Compliant with IEEE802.11b/g/n/ac • WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps,Multiple SSID • TX power: 11n--22dBm/11ac--24dBm
USB interface	1*USB3.0 For Shared Storage/Printer or Console
LAN interface	4*GE, Auto-negotiation RJ45 connectors

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