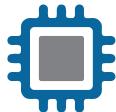


FTTH XPON ONT 2LAN WiFi-4

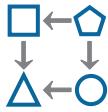
ST-XP121



Key Features :



Realtek Chipset
High Performance Solution



XPON Dual Mode
Automatically Access to
EPON/GPON



WiFi IEEE802.11b/g/n
2T2R 5dBi Antenna



Powerful Firewall

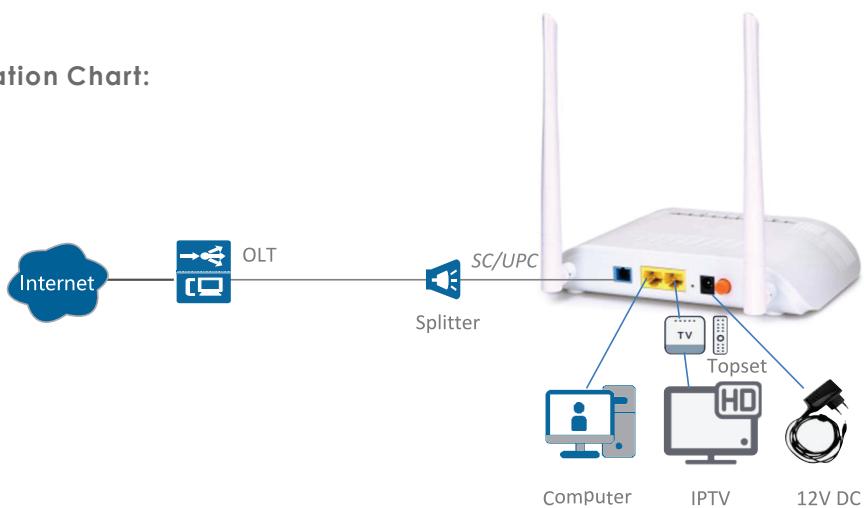
Product Overview

ST-XP121 (1GE+1FE+WiFi 4 XPON ONT) is specially designed for different FTTH solutions. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n WIFI technology and other Layer 2/Layer 3 functions, and can provide data services for carrier-grade FTTH applications.

The ONT has high reliability and is easy to manage and maintain. It has QoS guarantees for different services. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah, ITU-T G.984, etc.

Hardware Parameter	
Dimension	185mmx120mmx34mm(LxWxH)
Net weight	0.24Kg
Operating condition	<ul style="list-style-type: none"> • Operating temp: 0 ~ +50°C • Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensed)
Power supply	≤7W
Power adapter	DC 12V/ 0.5A, external AC-DC power adaptor
Interfaces	1GE+1FE+WiFi4
Indicators	POWER,LOS,PON,GE,FE,WiFi
Interface Parameter	
PON interface	<ul style="list-style-type: none"> • 1 XPON 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
WIFI interface	<ul style="list-style-type: none"> • IEEE802.11b/g/n (TX power:17dBm/16dBm /15dBm), Up to 300Mbps • 2T2R, 5dBi external antenna • Support 13 Channels
LAN interface	1*GE+1*FE,Auto-negotiation, RJ45 ports

Application Chart:



Function Data	
XPON mode	Dual Mode , Can access EPON/GPON mainstream OLTs
Uplink Mode	Bridging and Routing Mode.
Firewall	Filtering Based on ACL/MAC/URL
Layer2	802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN.
Layer3	IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ ,DDNS.
Multicast	IGMP v1/v2/v3 , IGMP snooping.
Security	Flow & Storm control, Loop Detection.
O&M	<ul style="list-style-type: none"> • WEB/TELNET/OAM/OMCI • Support private OAM/OMCI protocol • Unified network management of VSOL OLT.
WiFi	<ul style="list-style-type: none"> • Authentication:WEP/WAP-PSK(TKIP)/WAP2- PSK(AES). • Support multiple SSID



SUMICO

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