soltek
beyond the edge

FTTH xPON ONT
Wireless 300N

ST-XP136

Voice Service Functions

- With the heartbeat function, support the main producing soft exchange platform;
- Support high/low speed mode transparent transmission, T38 two fax;
- Support high-speed Modem (56Kbps) dial access; support RFC2833 and redundant RFC2833, ringing, MD5certification, call forwarding, call waiting, the hotline, alarm clock, abbreviated dialing and other value-added services;
- Support SIP (compatible with IMS), H.248, MGCP three VoIP protocol, and the soft switch platform the mainstream can be good intercommunication;
- Support 1 POTS interface and the three party call, three party support local mixing:
- Support POTS port GR909 line test function;
- Support dynamic PPPoE, DHCP and static IP;
- Support ITU-T G.711, G.723.1, G.729 and other three kinds of compression algorithm; echo cancellation conforming to ITU-T G.168-2002, an echo canceller forthe longest 128ms;
- 7*24 hour call loss is less than or equal to 0.01% ;

Key Features

- Support device-based rate limitation and bandwidth control In compliant with IEEE 802.3ah & ITU-T G.948.x standard
- Wi-Fi series meet 802.11 a/b/g/n/ac technical standards
- Up to 20KM transmission distance
- Support data encryption, group broadcasting, port Vlan separation,etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto discovery/Link detection/remote upgrade of software;
- Support port VLAN configuration
- Support QOS configuration

- Support power off alarm function, easy for link problem detection
- Support port binding
- Support port flowarding
- Support ACL to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- Support TR069 for ACS(Auto Config Server)
- Support PPPoE/DHCP Server/IPTV/POTS/NAT

Technical Specifications	
WIFI Features	• Wi-Fi Specification IEEE 802.11n compliant, 2.4 GHz/5G • Full IEEE 802.11 b/g/ac legacy compatibility with enhanced performance • Two-stream spatial multiplexing up to 866 Mbps PHY data rates • Support multi-SSID (Maximum 4 SSID) • Support automatic channel selection • Support hide SSID • Support wireless security of 64/128 bit WEP, 802.1x, WPA and WPA2
Module	Prameters
User interface	4*10/100/1000M RJ45 port 1*POTS 1*USB 2.4G WiFi/5GWiFi
PON	EPON&GPON mode adaptive Interface Type:SC-UPC/SC-APC Security: ONU authentication mechanism Network coverage radius:20KM GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical receive sensitivity: -7dBm~ -28dBm Continuous light power: 0.5dBm~+5dBm EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical receive sensitivity:-7dBm~-27dBm Continuous light power: 0dBm~4dBm
Ethernet	4*10/100/1000Mauto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Size	160mm(L) ×112mm(W) ×32mm(H)
Environment	Operating temperature:0°C~60°C Operating humidity: 10%~85% non-condensing Storage temperature:-40°C~80°C Storage humidity: 5%~95% non-condensing
Power supply	12V/0.5A DC power interface size:2.1mm/5.5mm
Power	<12W
POTS Port	1*RJ11 Max 1km distance Balanced Ring, 55V RMS
Man	WEB/TELNET/TR069/OMCI/OAM

Product Interfaces and Indicators Definitions

Indicator			Description
1	POW	Power Status	On: The ONU is power on Off: The ONU is Power off
2	PON	ONU Register	Blinking: In process of registering to OLT On: Success to register to OLT Off: Fail to register to OLT
3	LOS	Optical Signals	On: Optical Link Lower then receiver sensitivity Off: Optical in normal
4	LAN	LAN Past Status	Blinking: Data is being transmitted On:Ethernet connection is normal Off: Ethernet connection is not set up
5	2.4G	WiFi	Blinking: Data is being transmitted On: Wi-Fi function Opens Off: Wi-Fi function closes
6	5G	WiFi	Blinking: Data is being transmitted On: Wi-Fi function Opens Off: Wi-Fi function closes
7	POTS	POTS status	On: Voice account Registered Off: Voice account not Registered
8	WPS	WPS	Blinking: Terminal is connecting On: Terminal has connected Off: Terminal not connected
9	NET	Internet status	On: ONU can access internet Off: ONU can not access internet
10	USB	USB status	On: USB connection is normal Off: USB connection not set up

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