

YX2600 Series CPE

Introduction

YX2600 are versatile FTTx P2P Ethernet triple-play CPE devices, developed and manufactured by XXX. It has 4 rich options, Fast Ethernet or Giga-Ethernet uplink, 2POTS SIP VoIP, CATV receiver, single or double fiber. So there are 10 models altogether you can choose, different models share same PCB, firmware and housing. In the future, we will launch the IEEE802.11n (1T1R) access point option. Lots of option makes YX2600s to fit all kinds of application, operators and countries. In user side, YX2600s provide 4 Giga Ethernet ports to customer. You can enjoy high speed surfing on the internet, making call and watching TV at the same time. YX2600s are indeed triple-play box.

In order to meet the large-scale application requirement, YX2600s provide flexible management modes, including Web, CLI, TXT configuration file and so on. The products can be large-scale configured or update firmware automatically. On the other side, all the transmission path parameters will be showed on the web, such TX/RX optical power, RF level and highest work temperature in the device.



Technical parameters

WAN/Uplink Interface	100M or 1000M with/without CATV service Single or double fibers are optional Optical wave length 1310(TX)/1490(RX)/1550(CATV)nm
LAN/Downlink Interface	4*1000M, RJ45 connector, 10/100M/1000M auto-adaptive, full/half duplex, AUTO MDIX, according to IEEE802.3/802.3u/802.3z
POTS	2*FXS, RJ11 connector, SIP, connect to phone, FAX, POS machine, or MODEM
CATV	SCTE F type

	Single fiber model shares fiber with data/voice by WDM technology Double fibers model works on a separately fiber
Indicator	10 indicators at the most, Show status of Power, WAN(fiber), LAN, CATV, POTS, and WLAN
Button	3 buttons at the most, Reset/default configuration, one key encryption WLAN, turn on/off WLAN
Operating Condition	operating temperature: -5 - +45°C operating humidity: 10 - 90%(non-condensed)
Storing condition	storing temperature: -30 - +60°C storing humidity: 10 - 90%(non-condensed)
Power	+12Vdc, 2A, external AC-DC adaptor, power plug is optional to meet different country need
Power consumption	12W at the most, depending on the option you choose
Dimension	265mm*195mm*43mm (length*width*height)
Net weight	1Kg

Features

- 1) Easy to access to Internet or internal network: The box provides 1*1000M uplink. You can flexible connect to an Ethernet P2P optical network.
- 2) 4 downlink 1000M Ethernet interface: The device integrates 4 ports L2 switch.
- 3) High performance forwarding ability: It integrates powerful network processor. There are 3 accelerators in the processor. It achieves nearly L2 wire speed forwarding capability, powerful throughput and load capacity.
- 4) Rich network protocol: TCP/IP, UDP, RTP/RTCP, ARP, FTP/TFTP, HTTP, Telnet, ICMP, NTP/SNTP, DHCP Server/Client etc.
- 5) Powerful L2 switch function: VLAN bridging, port rate limiting, flow control, 4 IEEE802.1p QoS priorities, multicast (IGMP Snooping V1/V2), etc.
- 6) Support ToS (Type Of Service) and QoS.
- 7) Call protocol: SIP (IMS compatible), compliant with RFC2543 and RFC3261, seamless compatible with all popular call agent, including HUAWEI, ZTE, Alcatel-Lucent, etc.
- 8) Integrate heartbeat function and support active/standby call agent.
- 9) Voice coding: ITU-T G.711/G.723.1 (5.3K/6.3Kbit/s)/G.729, auto-negotiate with call agent.
- 10) Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length.
- 11) Support high/low speed fax, bypass fax, and T38 fax.
- 12) Support RFC2833 and redundant RFC2833, difference rings, MD5 authentication, CID, call forward, call waiting, hot-line call, alarm clock, and all kinds of value-added voice service.
- 13) Multi-party conferencing.
- 14) IP address assignment: dynamic PPPoE / DHCP Client and static IP.
- 15) Support TXT, Web and CLI, configure easily.

16) Upgrade firmware remotely or on line.

Ordering information

Model	Description
YX2600	FE WAN+4GE LAN, single fiber
YX2600T-S	FE WAN+4GE LAN+CATV, single fiber
YX2600T-D	FE WAN+4GE LAN+CATV, double fiber
YX2600VT-S	FE WAN+4GE LAN+2POTS+CATV, single fiber
YX2600VT-D	FE WAN+4GE LAN+2POTS+CATV, double fiber
YX2601	GE WAN+4GE LAN, single fiber
YX2601T-S	GE WAN+4GE LAN+CATV, single fiber
YX2601T-D	GE WAN+4GE LAN+CATV, double fiber
YX2601VT	GE WAN+4GE LAN+2POTS+CATV, single fiber
YX2601VT-D	GE WAN+4GE LAN+2POTS+CATV, double fiber