

CX323DAC

Overview

2GE+1POTS+ac WiFi EPON ONU terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Chipset (Realtek) technology, which have high ratio of performance to price, and the technology of IEEE802.11b/g/n/ac WiFi, Layer 2/3, and high quality VoIP as well. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as ITU-T G.984.x and technical requirement of GPON Equipment (V2.0 and above version) from China Telecom.

Special Features

- ▶ Support full management of HGU functions by VSOL OLT
- ▶ Plug and play, features auto-detecting, auto configuration, and auto firmware upgrade , etc
- ▶ Integrated OAM/OMCI remote configuration and maintenance functi
- ▶ Support rich QinQ VLAN functions and IGMP Snooping multicast features
- ▶ Fully compatibility with OLT based on Broad-com/PMC/Cortina chipset
- ▶ Support 802.11n/ac WiFi(4T4R) function
- ▶ Support NAT, Firewall function



Art No : CX323DAC

Material : ABS Plastic

Size : 178mm×120mm×30m(L×W×H)

Weight : 0.36kg

Color : White

Description : 2GE+1POTS+ac WiFi ONU terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators.

Technical parameters

Technical item	2GE+1FXS+ac WiFi ONU
PON interface	1 GPON port(EPON PX20+ and GPON Class B+) Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM

CX323DAC

Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC/APC connector
LAN interface	2 x 10/100/1000Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
POTS interface	1 x RJ11 connectors Support: G.711A/G.711U/G.723/G.729 codec Support: T.30/T.38/G.711 Fax mode, DTMF Relay
WiFi interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.4835GHz 5.0GHz Operating frequency: 5.725-5.875GHz Support MIMO, 4T4R,5dBi external antenna, rate up to 1.167Gbps Support: multiple SSID TX power: 11n--22dBm/11ac--24dBm
LED	10, For Status of POWER, LOS, PON, SYS, LAN1~LAN2, POTS, WiFi, CATV, PoE
Operating condition	Temperature: 0°C~+50°C Humidity: 10%~90% (non-condensing)
Storing condition	Temperature: -30°C~+60°C Humidity: 10%~90%(non-condensing)
Power supply	DC 48V/1A
Power supply	≤12W
Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.36Kg

Function Description

Management Mode

- ▶ OAM/OMCI, Telnet, WEB, TR069
- ▶ Support full management of HGU functions by VSOL OLT

CX323DAC

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
- ▶ Support bridge, router and bridge/router mixed mode

WiFi Service Functions

- ▶ Integrated 802.11b/g/n/ac
- ▶ Support max 128 users
- ▶ Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)
- ▶ Modulation type: DSSS, CCK and OFDM
- ▶ Encoding scheme: BPSK, QPSK, 16QAM and 64QAM

POTS Service Function

- ▶ Call protocol: SIP(IMS compatible) seamless compatible with all popular call agent
- ▶ Integrate heartbeat function and support active/standby call agent
- ▶ Voice coding: ITU-T G.711/G.722/G.729, auto-negotiate with call agent
- ▶ Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length
- ▶ Support high/low speed fax, bypass fax, and T38 fax
- ▶ Support high speed MODEM(56Kbps) dial access
- ▶ Support RFC2833 and redundant RFC2833, difference rings, MD5 authentication, call forward, call waiting, hot-line call, alarm clock, and all kinds of value-added voice service
- ▶ Multi-party conferencing
- ▶ IP address assignment: dynamic PPPoE/DHCP Client and static IP
- ▶ Support WEB, CLI, IVR, TR069
- ▶ Call loss less than 0.01%

CATV Service Functions

- ▶ Support CATV work status monitoring
- ▶ Support CATV management