CALIX
DATA SHEET

CX600G2

Overview

CX600G series GPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and ICT applications.

Special Features

▶ **Satisfactory standard**

Meet ITU-T G984/G.988 standard

Meet China's relevant GPON standards

▶ **L3 OLT**

Support static route RIP v1/v2, OSFP v2

▶ **Easy to manage**

Friendly EMS/Web/Telnet/CLI management

CLI command style similar to mainstream manufacturers

Support APP management

▶ **Fully open platform**

Open to any brand of ONT

▶ **High performance cost**

1U height compact design

Adopt mainstream chip scheme

Art No	: CX600G2
Material	: Steel Shell
Plastic Size	: 442mm*200mm*43.6mm（L*W*H）
Weight	: 3.1kg
Description	: 16 GPON port GPON OLT, 4*1GE(SFP)/10GE(SFP+) Uplink. Automatic configuration, Automatic upgrade, EMS & Web management

Technical Parameters

Item		CX600G2
Chassis	Rack	1U 19 inch standard box
1000M Uplink Port	QTY	12
	Copper	8*10/100/1000M auto-negotiation
	SFP(SFP+) (independent)	6*SFP and 2SFP+ slots (SFP+ is 10GE port)

Calix

CX600G2

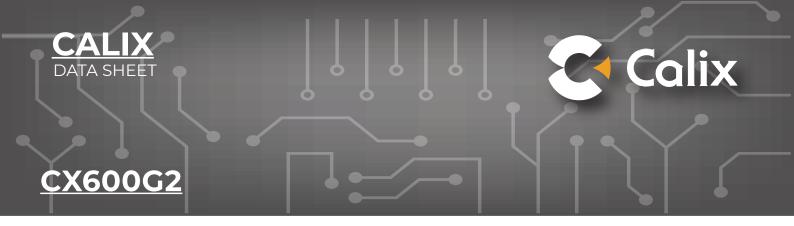| Item		CX600G2
GPON Port	QTY	16
	Physical Interface	SFP Slots
	Connector Type	Class B+/C+
	Max splitting ratio	1:128
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+1~+5dBm
	Rx Sensitivity	-28dBm
	Saturation Optical Power	-8dBm
Management Mode		SNMP, Telnet, CLI, WEB
Management Function		Fan Group Detecting; Port Status monitoring and configuration management; Layer2 switch configuration such as VLAN, Trunk,RSTP,IGMP,QOS, etc; EPON management function: DBA,ONU authorization, ACL,QOS,etc; Online ONU configuration and management; User management; Alarm management

CX600G2

Item	CX600G2
Layer2 Switch	16K Mac address; Support port VLAN and protocol VLAN; Support 4096 VLANs; Support VLAN tag/Un-tag ,VLAN transparent transmission, QinQ; Support storm control based on port; Support port isolation; Support port rate limitation; Support 802.1D and 802.1W; Support static LACP. QOS based on port,VID,TOS and MAC address. Access control list. IEEE802.x flow control. Port stability statistic and monitoring.
Multicast	IGMP snooping; 256 IP Multicast Groups;
DHCP	DHCP server; DHCP relay; DHCP snooping;
Layer 3Route	Arp proxy; Static route; 512 hardware Subnet Routes; 1024 hardware Host Routes;
GPON Function	Tcont dba; Gemport traffic; In compliant with ITUT984.xstandard; Up to 20KM transmission Distancec; Support data encryption, multi-cast, port VLAN, separation,RSTP,etc; Support ONU auto-discovery/link detection/ remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support power-off alarm function,easy for link problem detection; Support broadcasting storm resistance function; Support port isolation between different ports; Support ACL and SNMP to configure data packet filter flexibly; Specialized design for system breakdown prevention to maintain stable system; Support dynamic distance calculation on EMS online; Support RSTP,IGMP Proxy.

CX600G2

Item		CX600G2
Dimension(L*W*H)		442mm*200mm*43.6mm
Weight		4.5kg
Power Supply	220VAC	AC:90~264V, 47/63Hz; Double Power Module/Hot Backup
Power Consumption		85W
Operating Environment	Working Temperature	-10~+55°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90%(non-conditioning)

Product appearance features