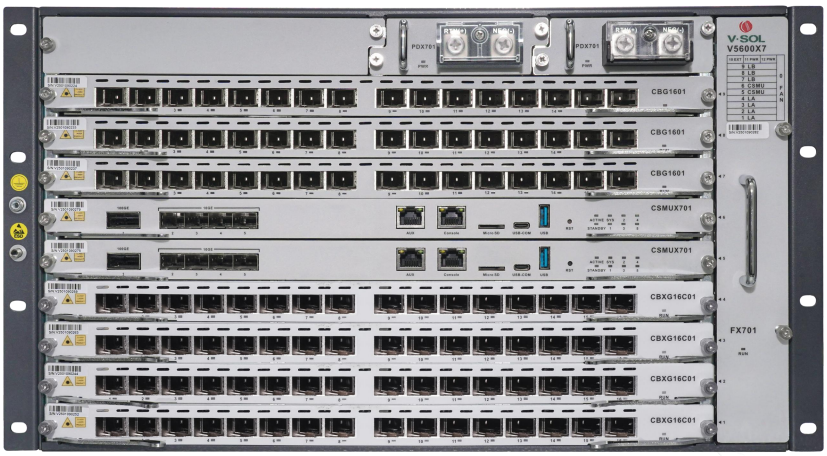


V5600X7

Chassis OLT

Highlights

- High reliability
- Dual-MCU Board
- Type B PON Protection
- Versatile Slot Configuration
- Multi business slots
- Simple Evolution: GPON to XG(S)-PON

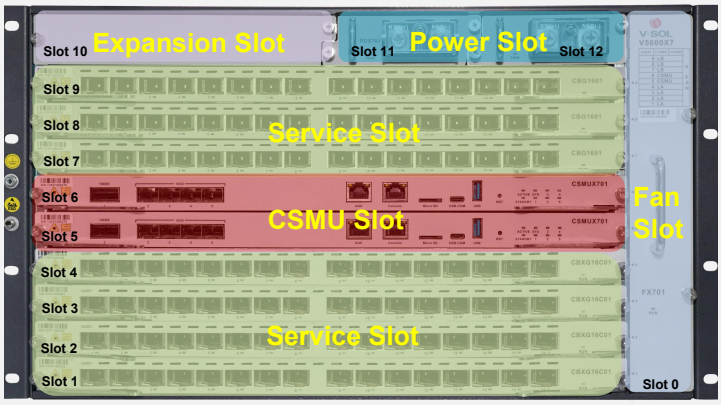
Introduction:

VSOL V5600X7 are self-developed high-end chassis OLTs,which adopt high-performance chipset and complies with ITU-T international standards.V5600X7 provide multiple access methods such as GPON, XG-PON, XGS-PON and Combo PON, supports multiple network solutions such as FTTH, FTTB, FTTC, FTTD and FTTM, realizes high-bandwidth and high-speed data transmission, and meets the needs of large-scale deployment.

The product has comprehensive management and monitoring functions, simplifies the operation and maintenance process, and provide rich business functions and scalability. It provides operators with excellent user experience and high-quality services, and also meets the challenges faced by operators in the development of "wider, faster and smarter" gigabit ultra-wide networks.

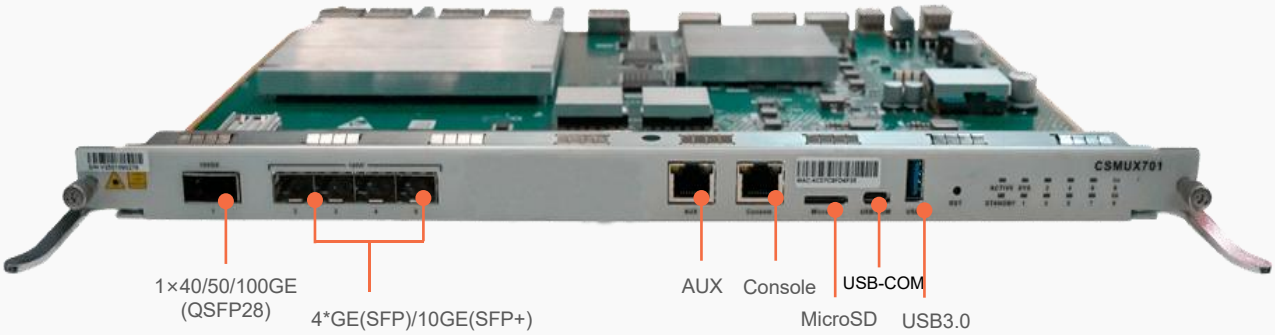
Slots and Cards of V5600X7:

V5600X7



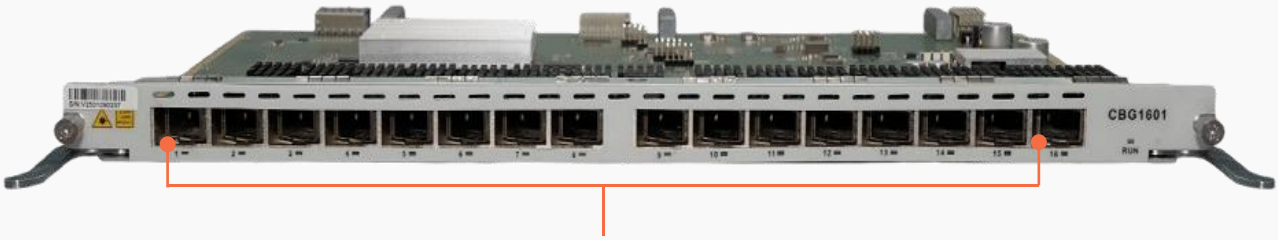
Interfaces of CSMU Card:

CSMUX701



Interfaces of Service Card:

CBG1601



CBXG08C01

CBXG16C01

*Coming soon

Interfaces of Power Card:

PDX701

DC 48V

Interfaces of Fan Card:

FX701

Technical Specifications

Management Function

- Telnet,CLI,WEB,SSH v2
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONTconfiguration and management
- User management
- Alarm management

PON Function

- T-CONT DBA
- x-GEM traffic
- In compliant with ITU-T G.9807(XGS-PON) , ITU-T G.987(XG-PON) and ITU-T984.x
- Up to 20KM transmission Distance
- Support data encryption, multi-cast, port VLAN, etc
- Support ONT 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 STP,RSTP,MSTP

Layer2 Switch

- 32K Mac address
- Support 4096 VLANs
- Support port VLAN
- Support VLAN translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP,Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flowcontrol
- Port stability statistic and monitoring

Layer 3 Route

- ARP proxy
- Hardware Host Routes: IPv4 32K, IPv6 16K
- Hardware Subnet Routes: IPv4 24K, IPv6 12K
- Support Radius,Tacacs+
- Support IP source guard
- Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3

IPv6

- Support NDP
- Support IPv6 Ping,IPv6 Telnet,IPv6 routing
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc

Multicast

- IGMP v1/v2, IGMP snooping/Proxy
- MLD v1 snooping/Proxy

DHCP

- DHCP server,DHCP relay,DHCP snooping
- DHCP option82

Security

- Support power backup
- Support CSM 1+1 redundancy
- Support Type B PON protection
- Support IEEE 802.1x, AAA, Radius and Tacas+

Technical Specifications

Item		V5600X7
Chassis	Rack	19 Inch Standard
Dimension(L*W*H)		442*299*266.7mm(Without mounting ears)
Weight	Full of cards	22.3kg
	Chassis only	8.7kg
Working Temperature		-20°C ~+60°C
Working Humidity		5%~95%(non-condensing)
Storage Temperature		-40 ~ +70°C
Storage Humidity		5%~95%(non-condensing)
Power Supply	DC	-48V
Backplane Bandwidth (Gbps)		3920
Overall power consumption	Typical power consumption	183W
	Peak power consumption	872W
CSMU Card: CSMUX701		
Uplink Port	QTY	5
	SFP(GE)/SFP+(10GE)	4
	QSFP28(40GE/50GE/100GE)	1
Management Ports		1*AUX(10/100/1000BASE-T out-band port), 1*CONSOLE port, 1*MicroSD port, 1*USB-COM, 1*USB3.0
Power consumption		95W（Typical value），113W（Peak）
Slot position		Slot 5-6
Service Card: CBG1601		
GPON Port	QTY	16
	Physical Interface	SFP Slots
	Connector Type	Class C+++/C++++
PON Port Specification (Class C++++ module)	Transmission Distance	20KM
	PON Port Speed	Upstream: 1.244Gbps, Downstream: 2.488Gbps
	Wavelength	Upstream: 1310nm , Downstream: 1490nm
	Connector	SC/UPC
	TX Power	+9~+13dBm
	Rx Sensitivity	≤ -33dBm
	Saturation Optical Power	-8dBm
Power consumption		30W（Typical value），36W（Peak）
Slot position		Slot 1-4, Slot 7-9
Service Card: CBXG08C01/CBXG16C01		
GPON&XG(S)-PON Combo Port	QTY	8/16
	Physical Interface	SFP+ Slots
	Connector Type	N2_C+
GPON&XG(S)-PON Combo Port Specification (N2_C+ module)	Transmission Distance	20KM
	XG(S)-PON Port Speed	GPON: Upstream1.244Gbps, Downstream 2.488Gbps XG-PON: Upstream 2.488Gbps, Downstream 9.953Gbps XGS-PON: Upstream 9.953Gbps, Downstream 9.953Gbps
	Wavelength	GPON: Upstream 1310nm , Downstream 1490nm XG(S)-PON: Upstream 1270nm , Downstream 1577nm
	Connector	SC/UPC
	TX Power	GPON: +3dBm ~ +7dBm , XG(S)PON: +4dBm ~ +7dBm
	Rx Sensitivity	XGS-PON: -28dBm , XG-PON: -29.5dBm , GPON: -32dBm
	Saturation Optical Power	XGS-PON: -7dBm , XG-PON: -9dBm , GPON: -12dBm
Power consumption	CBXG08C01	41W（Typical value），48W（Peak）
	CBXG16C01	76W（Typical value），84W（Peak）
Slot position		Slot 1-4, Slot 7-9

Ordering Information:

Product Name	Product Description	Specific
V5600X7 chassis	Chassis of OLT	/
CSMUX701	CSMU Card	1*40/50/100GE(QSFP28)+4*GE(SFP)/10GE(SFP+) +1*AUX+1*Console+1*MicroSD+1*USB-COM+1*USB3.0
CBG1601	Service Card	16*GPON ports
CBXG08C01	Service Card	8*GPON&XG(S)-PON Combo PON ports
CBXG16C01	Service Card	16*GPON&XG(S)-PON Combo PON ports
PDX701	Power Supply Card	DC -48V
FX701	Fan tray	Built-in 6 small fans