

EPGFA6700 OLT

EPGFA6700 OLT equipment with rack mount design. It provides 20 optical interfaces and connects 1280 remote ONUs at most. It provides 4*GE optical/electrical uplink interfaces. EPG FA670 0 with rack design is convenient for extending and upgrading service. EPGFA6700 includes SW (switching control unit), GET (GE electrical unit)/GEO (GE optical unit), optical unit, fan unit and power supply unit.

EPGFA6700 can be applied to access solutions of FTTB/FTTP/FTTH.



Features

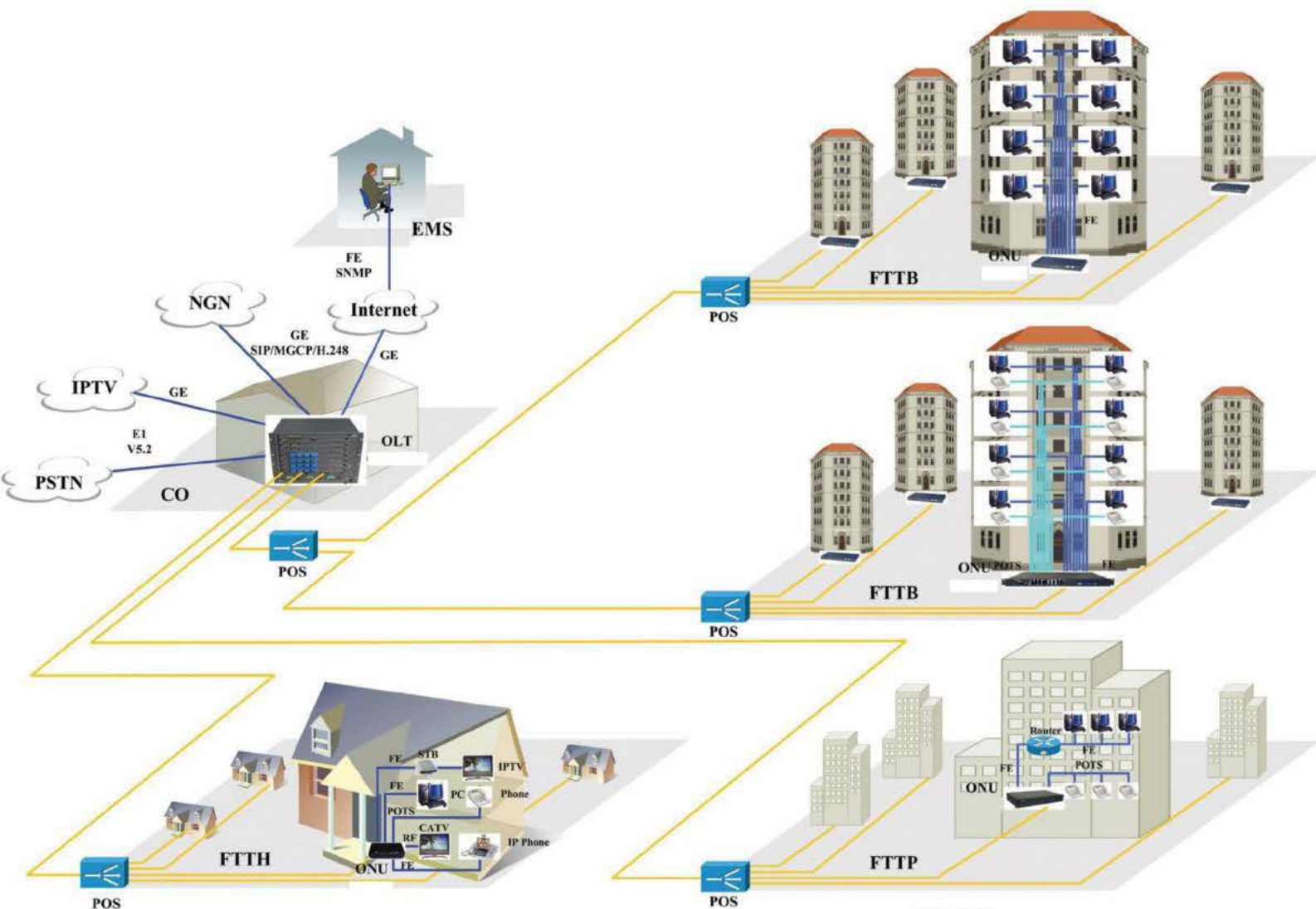
<i>Technical specifications</i>			
Slot number	12	Service module	5 at most, and each module has 4 GE PON interfaces
Main control module	1~2 (one slot can be SW module or service module)	Uplink module	One (GE or TDM uplink module, GE uplink module can provide 4GE interfaces, TDM uplink module can provide 24 E1 interfaces and it is inserted in service slot)
Fan module	One (with 4 separate units inside)	Power supply module	3
PON interface	Interface type: SC/PC Fiber mode: single fiber Wavelength: 1310/1490nm		
Ethernet electric interface	Support IEEE 802.3 10/100/1000BASE-TX Transmission rate: 10/100/1000Mbit/s auto-sensing Interface type: RJ45 MDI/MDIX: auto-sensing Working mode: full duplex/half duplex auto-sensing		
Ethernet optical interface	Support IEEE 802.3 1000BASE-LX/SX Transmission rate: 1000Mbit/s Interface type: LC/dual LC Working mode: determined by SFP module		
Network management (In-band)	Dispense with specific interface, any service interface can be local NM interface		
Network management (out-of-band)	Transmission rate: 10/100Mbit/s auto-sensing Interface type: RJ45 Working mode: half/full duplex, auto-sensing MDI/MDIX: auto-sensing		
Console interface	Physical interface:RJ45	Electrical level:RS232	Baud rate:9600

System features			
Data rate	Uplink/downlink 1.25Gbps	MAC address	16k/32k
Transmission distance	20km	Split ratio	1:64
PON interface	20	Support ONU	1280
Switch capacity	48Gbps	Trunk broadband	96Gbps
VLAN	Support IEEE 802.1Q(VLAN) Support 4k VLAN Support IEEE 802.1ad (QinQ/flexible QinQ) Support VLAN transparent transmission Support VLAN classification based on interface Support Multicast VLAN	Layer-2 function	Support store-and-forward mode and layer-2 wire-speed forwarding Maximum frame: 9216 bytes Packet transmit rate: 35.7Mpps Support IEEE 802.1d (STP)/802.1w (RSTP)/802.1s(MSTP) Support broadcasting storm control Support port mirroring
Flow control	Support IEEE 802.3x(full duplex flow control) and back pressure flow control (half duplex)	Link integration	Support IEEE 802.3ad (Link integration) Support load equilibrium based on MAC and IP
Multicast	Support SCB (Single Copy Broadcast) Support IGMP V1/V2 Support IGMP Snooping and IGMP Proxy Support 1000 groups Support multicast source port control Support multicast authority control Support the joining and fast-leave of IGMP members Support static multicast	QoS	Support IEEE 802.1P(COS PRI) and DSCP Support service classification based on port, MAC address, IP address, TCP/UDP port number, ToS(Type of Service)/Diffserv Support queue schedule algorithms such as SP (Strict Priority), WRR (Weighted Round Robin), SP+WRR Support 8 priority queuing for each port Support Ingress/Egress CAR, 64kbps increment Support Traffic Shaping Support Tail-Drop
DBA	Bandwidth increment is 64kbit/s Support fixed bandwidth/guaranteed bandwidth/maximal bandwidth, delay priority and etc SLA parameters	ACL	Based on port, MAC, IP, TCP/UDP port number, ToS/Diffserv
Security	Support interface isolation Support AES-128, data encryption for both upstream and downstream Support dynamic update of key	Reliability	SW module supports switch between main and spare module Support 1 + 1 trunk protection Power supply supports backup function
Management	Support UniView DA NM platform based on SNMP V1/V2 Support Telnet management and local CONSOLE management Support in-band and out-of-band NM, and the management data configuration of VLAN and PRI	Maintenance	Support alarm and capability statistic, flow inspection, loop-back test, remote power-fail inspection Support long-distance on line upgrade of timing automatism and batch. Support remote line inspection, such as short circuit, incomplete circuit, and the location of failure.

Physical specifications			
Dimension(mm) (W*D*H)	482(19 inch)×280×310(7U)	Power supply	AC 220V and DC -48V, Support power backup
Weight	<20kg	Power consumption	<300W
Environment	Working temperature:0°C ~ 45°C Storage temperature:-10°C ~ 70°C Humidity: 10% ~ 90% (non-condensing)		

Application

EPGFA6700 can support maximum 1280 remote ONUs (Optical Network Unit) through the connection of fiber and ODN (Optical Distribution Network). EPGFA6700 system can improve resource utilization of carrier basic network. It can provide FTTB, FTTP and FTTH optical access solution for users. Broadband data service, traditional voice/VoIP service, CATV/IPTV service and TDM dedicated service are accessed through EPGFA6700.



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