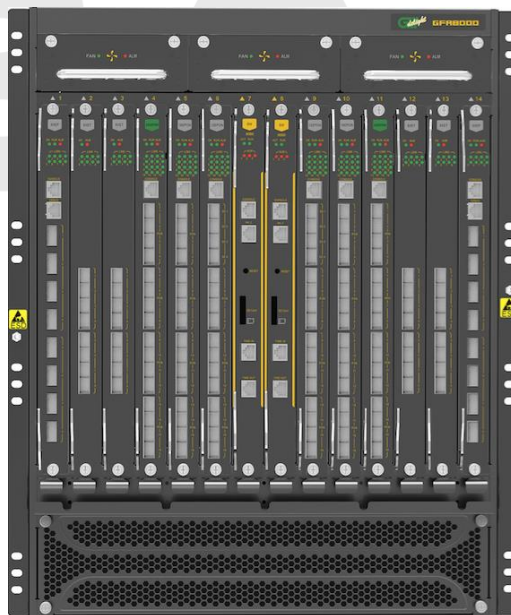


SBA OLT 10GEPON 074

El sistema de OLT SBA es una plataforma de nueva generación que integra la mayoría de las tecnologías de acceso por fibra. Soporta la operación simultánea de redes GE, EPON, GPON, 10GEPON, xPON, PTN e IP-RAN. El objetivo de esta plataforma es generar redes de acceso por fibra a redes corporativas y acceso de gran ancho de banda a zonas residenciales. Es compatible con las tarjetas de la familia GEAPON SBA, de tal manera que plantea al operador una evolución suave pero efectiva en cuanto se refiere a velocidad como a inversión.



ESPECIFICACIONES

PON Module Wave Length	EPON: Transmitting 1490nm, receiving 1310nm 10GEPON: Transmitting 1577, receiving 1270nm
Environment	Working Temperature: 0°C~ 45°C Storage Temperature:-10°C~ 70°C Relative Humidity: 10%~ 90% (non condensable)
Characters of GE Electrical Interface	Supports IEEE 802.3 10/100/1000BASE-TX Transmission Rate: 10/100/1000M self-adaptation Interface Type: RJ45 Operation Mode: full duplex / semi duplex self-adaptation MDI/MDIX: Self-adaptation
Characters of GE Optical Interface	Supports IEEE 802.3 1000BASE-LX/SX/CX Transmission Rate: 1000Mbit/s Interface Type: LC/ dual LC
Ethernet Management	Supports in-band management, need no dedicated interface, can select a service

Interface (in-band)	interface as local Ethernet network management interface
Ethernet Management Interface (out of band)	Transmission Rate: 10/100M Self-adaptation Interface Type: RJ45 Operation Mode: full duplex / semi duplex modem self-adaptation mode MDI/MDIX: self-adaptation
Console	Physical Interface: RJ45 Electrical Level: RS232 Baud Rate: 9600

SYSTEM PERFORMANCE

Circuit Rate	EPON: Upper and lower lines are symmetrical 1.25Gbps; 10GE PON: Upper and lower lines are symmetrical 10Gbps
Maximum Branching Rate	1:128
VLAN	Supports 4k VLAN Supports VLAN based on port, MAC address, protocol and IP subnet Supports IEEE 802.1ad (Q in Q or VLAN stack), supports VLAN transformation Supports flexible Q in Q, supports VLAN label addition, replacement and deletion based on ACL Rule Supports VLAN label addition, replacement and deletion of entrance and exit Supports multicast VLAN Supports 8K strip entrance and 8K strip exit VLAN/dual layer VLAN label rule
Bridge	Line speed MAC address study based on hardware, multiple MAC address study and management manners Supports MAC limit based on port and link aggregation and VLAN Supports jumbo data package up to 12KB Supports IEEE 802.1d (STP)/802.1w (RSTP)/802.1s(MSTP) Supports broadcast storm restraint Supports port data mirror image, can mirror at entrance and exit at the same time
DBA	Bandwidth granularity is 64kbit/s Supports fixed bandwidth / maximum bandwidth, time delay grade, priority and other SLA parameter settings
Multicast	Supports multicast service by combining with SCB single copy broadcasting technical supports multicast service Supports IGMP V1/V2 Supports IGMP Snooping and IGMP Proxy Supports up to 1000 multicast groups Supports multicast source port limitation function

	<p>Supports multicast right limit control function</p> <p>Supports IGMP pre-join and rapid leaving function</p> <p>Supports static multicast</p>
Link Aggregation	<p>Supports IEEE 802.3ad (link aggregation)</p> <p>Supports 128 port aggregation groups, each group supports 8 members</p> <p>Flow share based on 2-layer or 3-layer</p> <p>Flow share based on target MAC, VLAN, Ethernet type, target IP address and TCP/UDP port</p>
QoS	<p>Supports IEEE802.1p and DSCP, each port can provide 8 priority queue</p> <p>Supports priority label addition, modification and deletion based on ACL Rule</p> <p>Supports queue scheduling of SP,WRR andWDRR mechanism</p> <p>Supports service flow rate-limiting based on ACL Rule</p> <p>Supports traffic shaping</p>
ACL	<p>Supports ACL Rule based on port, MAC, IP, TCP/UDP port number, ToS/Diffserv</p> <p>Supports service perception, supports depth package testing, can analyze any 128 bytes before message</p> <p>Supports character matching width up to 840bit</p> <p>Supports 8K~ 256K ACL rules</p> <p>Supports addition, deletion and modification of VLAN and dual-layer VLAN label based on ACL Rule</p> <p>Supports addition, deletion and modification of priority label based on ACL Rule</p> <p>Supports service flow rate-limiting based on ACL Rule</p>
Safety	<p>Supports AES / trebled stirring encryption of PON line and dynamic key update</p> <p>Supports broadcast storm restraint, can limit broadcasting and unknown unicast or multicast message based on message or byte</p> <p>Supports message filtration and rate-limiting based on ACL Rule</p> <p>Anti attack of DOS based on hardware including Land attack, ping flood, SYN-ACK flooding, smurf attack, etc.</p>
Reliability	<p>Supports master control hot standby</p> <p>Supports uplink port cross-module protection</p> <p>Supports PON port and cross-module protection</p> <p>Supports 50ms level rapid ring network protection</p> <p>Supports 50ms level 1 + 1 trunk line optical fiber protection</p> <p>Supports 20ms level optical fiber full protection</p> <p>Power supply supports hot standby functions</p>
Management	<p>Supports UniView network management platform unified management based on</p> <p>SNMP V1/V2c UniView</p> <p>Supports Telnet remote management and local CONSOLE port management</p> <p>Support in-band/out of band network management, can</p>

	set VLAN and priority of management data All ONU equipment under patent SNMP over OAM technical concentrative network management
Maintenance	Supports alarm and performance statistics, flow monitoring, loop testing, far-end equipment powering off monitoring Supports Ethernet port loop test Supports ONU automatic configuration, batch configuration Supports automation, batched long distance online update of ONU timing Supports long distance Ethernet cable test function, can test cable open circuit, short circuit fault and judge fault position Supports SNTTP, is synchronous with upper layer network event network server Support short message alarm Support PON line optical power test, on line supervising OLT light-emitting and receiving power Support ONU strong light-emitting testing function

COMPONENTES

PRODUCTO	FUNCIÓN
SBA-GFA8000	Local side 13U rack-mounted integrated service access device
SBA-GFA8000-PWU48-A0	SBA-GFA8000 equipment power supply module, DC48V, supports backup protection
SBA-GFA8000-FAN-A0	GFA8000 equipment fan module, supports backup protection
SBA-GFA8000-SW-A0	GFA8000 equipment exchange module, supports backup protection, supports 256K MAC
SBA-GFA8000-8XET-A0	Uplink board card, 8*10GE uplink board card, 8 SFP+ interfaces
SBA-GFA8000-4XET-A0	Uplink board card, 4*10GE uplink board card, 4 SFP+ interfaces
SBA-GFA8000-8XEP-B1	10GEPON service board, 8*10GEPON board card, 8 XFP interface;
SBA-GFA6900-16EPON-B1	PON service module, 16*EPON interfaces (SFP interface, must configure SFP EPON module solely). Applied equipment SBA-GFA8000/ SBA-GFA6900/ SBA-GFA6900M
SBA-GFA6900-12EPON-A0	GFA8000 equipment EPON service module, 12*EPON (select SFP EPON module) +4*GE (select SFP GE module); apply to SBA-GFA8000 / SBA-GFA6900 / SBA-GFA6900M / SBA-GFA6900S