

OLT EPON 1 UNIDAD RACK 16 PON



DESCRIPCION

OLT EPON 16 PON
2 *10G + 2*GE UPLINK

MODELO

GFA8100-EP

CODIGO WT

4281342

Casa Central

Domingo French 831, B1603BNI, Villa Martelli, BS AS, Argentina
Tel:(54) 011-4709-6650
ventas@wiretechsa.com.ar

Sucursal Córdoba

Diaguitas 3138, Córdoba, CP 5008, Argentina
Te:(54) 0351 476-1313 – 0908
sucursalcordoba@wiretechsa.com.ar

1 - CARACTERISTICAS

- EasyPath GFA8100 es un equipo EPON y GPON OLT de la serie PON con diseño de conexión de tarjeta.
- Proporciona 16 puertos ópticos EPON o 16 GPON y conecta 2048 ONU u ONT remotas como máximo.
- Proporciona 2 * GE ópticos y 2 puertos de enlace ascendente ópticos de 10 GE.
- EasyPath GFA8100 con diseño de rack es flexible para ampliar y actualizar el servicio.
- EasyPath GFA8100 se puede aplicar para acceder a soluciones de FTTB / FTTH.

2 - ESPECIFICACIONES

Technical specifications			
GFA8100-16EP	Povides 16 EPON interface	GFA8100-16GP	Povides 16 GPON interface
Power supply module number	2 (support 1+1 backup)		
EPON interface	Standard: IEEE 802.3ah 1000BASE-PX20+-D Average launch power: 2.5dBm ~+7 dBm Receiver sensitivity: \leq -30dBm	Wavelength: 1310/1490nm Saturation receive power : \geq -6dBm	
GPON interface	Standard: ITU-T G.984/G.988 CLASS C+ Average launch power: 3dBm ~+7 dBm Receiver sensitivity: \leq -32dBm	Wavelength: 1310/1490nm Saturation receive power : \geq -12dBm	
Optical interface	GE Support IEEE 802.3 1000BASE-LX/SX/CX Transmission rate: 1000Mbit/s	10GE Support IEEE 802.3ae-2002 Transmission rate: 10Gbps	
Ethernet network management (In-band)	Dispense with specific interface, any service interface can be local Ethernet network management interface		
Ethernet network management (out-of-band)	Transmission rate: 10/100Mbit/s auto-sensing Working mode: full duplex/half duplex, auto-sensing	Interface type: RJ45 MDI/MDIX: auto-sensing	
Console interface	Physical interface:RJ45	Protocol:RS232	Baud rate:9600

3 – ESPECIFICACIONES

System features			
Data rate	EPON 1.25Gbps; GPON 2.5Gbps	MAC address	32k
Transmission distance	20km (1:32 split ratio)	Split ratio	1:128 at most
PON interface number	Up to 16	Support ONU/ONT	Up to 2048
VLAN	<p>Support 4k VLAN</p> <p>Support VLAN based on MAC address, protocol and IP subnet</p> <p>Support IEEE 802.1ad(Q in Q or VLAN stack)</p> <p>Support VLAN transition</p> <p>Support flexible Q in Q, to Support tag-based VLAN ACL policy to add, replace and delete</p> <p>Support add, replace and delete VLAN tags of ingress and egress</p> <p>Support multicast VLAN</p> <p>Support 1k ingress and 512 egress VLAN/dual VLAN tag policy</p>	Bridge	<p>Support MAC address learn based on hardware, variety of MAC address learning management</p> <p>Support MAC limit based on port, link aggregation and VLAN</p> <p>Support the largest 12KB of Jumbo packets</p> <p>Support IEEE 802.1d(STP)/802.1w(RSTP)/802.1s(MSTP)</p> <p>Support broadcasting storm control</p> <p>Support port mirroring, ingress and egress can be mirrored at the same time</p>
Flow control	Support IEEE 802.3x(full duplex flow control) and back pressure flow control (half duplex)	DBA	<p>Bandwidth increment is 64kbit/s</p> <p>Support fixed bandwidth/guaranteed bandwidth/maximal bandwidth, delay priority and etc SLA parameter</p>
Multicast	<p>Support SCB (Single Copy Broadcast)</p> <p>Support IGMP V1/V2</p> <p>Support IGMP Snooping and IGMP Proxy</p> <p>Support 1000 groups</p> <p>Support multicast source port control</p> <p>Support multicast authority control</p> <p>Support the joining and fast-leave of IGMP members</p> <p>Support static multicast</p>	Link aggregation	<p>Support IEEE 802.3ad(Link aggregation)</p> <p>Support 128 port aggregation groups, each group support 8 members</p> <p>Support traffic equilibrium based on layer-2 or layer-3</p> <p>Support traffic equilibrium based on MAC, VLAN, Ethernet type, destination IP address, TCP/UDP port</p>
QoS	<p>Support IEEE802.1p and DSCP, each port provides 8 priority queue</p> <p>Support priority tag add, modify and delete based on ACL policy</p> <p>Support queue scheduling based on SP, WRR and WDRR</p> <p>Support rate-limiting of service traffic based on ACL policy</p> <p>Support traffic shaping</p>	ACL	<p>Support ACL policy based on port, MAC, IP, TCP/UDP port number and ToS/Diffserv</p> <p>Support service sense</p> <p>Support deep packet inspection, can be resolved before any 128-byte packet</p> <p>Support up to 840bit width of the characters match</p> <p>Support 8k items ACL policy</p> <p>Support VLAN and dual VLAN tag add, delete and modify based on ACL policy</p>

4 – APLICACION

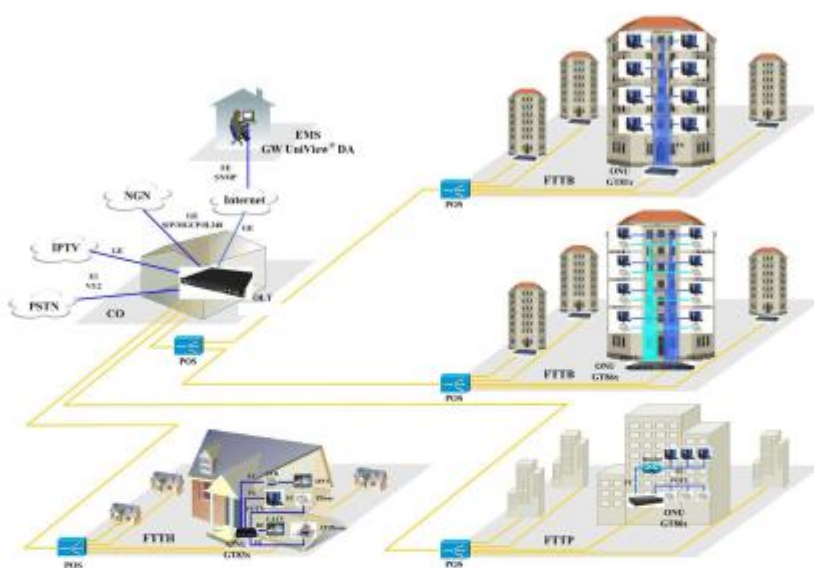
Security	<p>Support AES/triple churning encrypt of PON link</p> <p>Support dynamic update of key</p> <p>Support broadcasting storm control, rete-limiting of broadcasting , unknown unicast or multicast based on message or byte</p> <p>Support message filter and rate-limiting of ACL policy</p> <p>Anti-DOS attack based on hardware, including Land attack, ping flood, SYN-ACK flooding, smurf attack</p>	Reliability	<p>Support main control module hot backup</p> <p>Support uplink port cross module protection</p> <p>Support 50ms-level fast ring protection</p> <p>Support PON port cross module protection</p> <p>Support 50ms-level 1+1 trunk optical protection</p> <p>Support 50ms-level optical whole protection</p> <p>Support power supply hot backup</p>
Management	<p>Support UniView DA NM platform based on SNMP V1/V2c</p> <p>Support Telnet management and local CONSOLE management</p> <p>Support in-band and out-of-band NM, and the management data configuration of VLAN and priority</p> <p>Patent SNMP over OAM technology to centralized manage all ONUs</p>	Maintenance	<p>Support alarm and capability statistic, flow inspection, loop-back test, remote power-fail inspection</p> <p>Support ONU automatic configuration, volume configuration</p> <p>Support long-distance on line upgrade of timing automatism and batch.</p> <p>Support remote line inspection, such as short circuit, incomplete circuit, and the location of failure</p> <p>Support short-message alarm</p> <p>Support optical power detection of PON link, on-line monitor OLT launch/receive optical power</p>

Physical specifications			
Dimension(mm) (W*D*H)	482×260×420(1U)	Power supply	Support AC 220V and DC -48V hybrid power, support 1+1 backup
Weight	< 10kg	Power consumption	< 200W
Environment	Working temperature:0 centi-degree ~45 centi-degree Storage temperature:-10 centi-degree~70 centi-degree Humidity: 10%~90% (non-condensing)		

3 – ESPECIFICACIONES WIFI

Application

EasyPath GFA8100 works with remote EasyPath GT8xx and GT6xx Series products ONU/ONT can build the PON network through the connection of the fiber and the ODN (optical distribution network). EasyPath GFA8100 system can improve resource utilization of carrier basic network. It can provide broadband data service, traditional voice/VoIP service, CATV/IPTV service to realize FTTCand FTTH optical access solution.



Ordering Info

Part Number	Description
GFA8100-16EP	IU OLT chassis Power supply module, DC-48V, support 1+1 backup;16EPON+2*10GE+2*GE interface
GFA8100-16GP	IU OLT chassis Power supply module, DC-48V, support 1+1 backup;16GPON+2*10GE+2*GE interface
SFP-EPON-C	SFP EPON module, 1*EPON, PX20+
SFP-GPON-C	SFP GPON module, 1*GPON, CLASS C+