

WGP5000-08P/16P GPON OLT



WGP5000 is highly integrated medium-capacity GPON OLT for operators, ISPs, enterprises and park applications. The product follows the ITU-T G.984/G.988 technical standard, The product has good openness, strong compatibility, high reliability, and complete software functions. It can be widely used in operators' FTTH access, VPN, government and enterprise park access, campus network access, ETC.

WGP5000 is only 1U in height, easy to install and maintain and save space. Supports mixed networking of different types of ONUs, which can save a lot of costs for operators.

Main Features

- Rich Layer 2/3 switching features and Flexible management methods
- Support multiple link redundancy protocols such as FlexLink/STP/RSTP/MSTP/ERPS/LACP
- Support RIP, OSPF, BGP, ISIS and IPV6
- Safe DDOS and virus attack protection
- Support power redundancy backup, modular power supply
- Support power failure alarm
- Type C management interface

Product Specifications

Attributes	WGP5000-16P	WGP5000-08P
Exchange capacity	104Gbps	
Packet forwarding rate	77.376Mpps	
Memory and storage	Memory: 512MB, storage: 32MB	
Management port	Console, Type C	
Port	16*GPON Port, 8*10/100/1000M Base-T, 4*1000M Base-XSFP/4*10GE SFP+	8*GPON Port, 4*10/100/1000M Base-T, 4*1000M Base-XSFP/4*10GE SFP+

PON	<ul style="list-style-type: none">Comply with ITU-TG.984/G.988 standard60KM transmission distance1:128 Max splitting ratioStandard OMCI management functionOpen to any brand of ONTONU batch software upgrade
VLAN	<ul style="list-style-type: none">Support 4K VLANSupport Vlan based on port, MAC and protocolSupport dual Tag VLAN, port-based static QinQ and flexible QinQ
MAC	<ul style="list-style-type: none">16K Mac addressSupport static MAC address settingSupport black hole MAC address filteringSupport port MAC address limit
Ring network protocol	<ul style="list-style-type: none">Support STP/RSTP/MSTPSupport ERPS Ethernet ring network protection protocolSupport Loopback-detection port loopback detection
Port control	<ul style="list-style-type: none">Support two-way bandwidth controlSupport port storm suppressionSupport 9K Jumbo ultra-long frame forwarding
Port aggregation	<ul style="list-style-type: none">Support static link aggregationSupport dynamic LACPEach aggregation group supports a maximum of 8 ports
Mirroring	<ul style="list-style-type: none">Support port mirroringSupport stream mirroring
ACL	<ul style="list-style-type: none">Support standard and extended ACLSupport ACL policy based on time periodProvide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc.
QoS	<ul style="list-style-type: none">Support flow rate limiting function based on custom business flowSupports mirroring and redirection functions based on custom business flowsSupport priority marking based on custom service flow, support 802.1P, DSCP priorityRemark capability Support port-based priority scheduling function,Support queue scheduling algorithms such as SP/WRR/SP+WRR
Safety	<ul style="list-style-type: none">Support user hierarchical management and password protectionSupport IEEE 802.1X authenticationSupport Radius&TACACS+ authenticationSupport MAC address learning limit, support black hole MAC functionSupport port isolationSupport broadcast message rate suppressionSupport IP Source Guard Support ARP flood suppression and ARP spoofing protectionSupport DOS attack and virus attack protection

Layer 3	Support ARP learning and aging Support static route Support dynamic route RIP/OSPF/BGP/ISIS Support VRRP
System management	CLI, Telnet, WEB, SNMP V1/V2/V3, SSH2.0 Support FTP, TFTP file upload and download Support RMON Support SNTP Support system work log Support LLDP neighbor device discovery protocol Support 802.3ah Ethernet OAM Support RFC 3164 Syslog Support Ping and Traceroute
Environment temperature	Working Temperature: -10°C ~ 55°C Storage temperature: -40°C ~ 70°C
Environment humidity	Operating humidity: 10% ~ 95% (non-condensing) Storage humidity: 10% ~ 95% (non-condensing)
Environment friendly	China RoHS, EEE
Weight	≤5kg
Fan	Fixed fans (three fans)
Power	AC: 100~240V 47/63Hz; DC: 36~75V;
Power consumption	65W
Dimension	440mm*44mm*260mm (Width * height * depth)

Ordering Information

Product name	Product descriptions
GPON OLT 8PON	8*PON port, 4*10GE/GE SFP +4GERJ45 uplink port, Dual power with optional
GPON OLT 16PON	16*PON port, 4*10GE/GE SFP +8GERJ45 uplink port, Dual power with optional