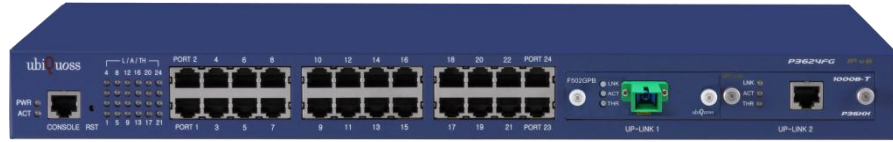


GPON Solution >> ONU >> P3624FG

GPON ONU based on FE L2 switch



Overview

P3624FG는 FTTx 광대역 멀티미디어 서비스를 제공하는 GPON MDU로 설계된 L2 스위치입니다. 랙 마운트 설계 및 설치의 용이성으로 P3624FG는 최종 사용자에게 광대역 연결을 지원에 비용 효과적인 방법을 제공합니다. 스위치에 PON(Passive Optical Network) 확장 모듈이 장착 될 때, 업링크의 거리를 10km에서 20km로 확장할 수 있습니다. P3624FG의 PON 확장 모듈과 활성화 된 광네트워크 연결을 위한 2포트 1000BASE-X 모듈 또는 옵션 1000BASE-T 옵션으로 선택할 수 있습니다. 뿐만 아니라, VoIP, IPTV 및 초고속 인터넷 접속과 같은 트리플 플레이 서비스의 원하는 만큼 같은 품질로 서비스 제공을 원활하게 합니다.

P3624FG는 SNMP v1/v2과 원격 관리를 위한 OAM 기능을 지원하고 텔넷 및 콘솔을 통해 시스코 같은 CLI 관리 인터페이스를 사용하기 쉽게 제공합니다.

Features

- Up to 24 10/100Base-TX ports (Fixed)
- 2 Option Module Slots: GPON module along with 100Base-FX, 1000Base-T and 1000Base-X
- Fully compliant of G.984.x set of standards
- Power : AC/DC
- 12.8 Gbps Non-Blocking Switch Fabric
- Max 6.5 Mpps L2 Switching, 64MB Main Memory, 16MB Flash Memory
- Up to 16K MAC Address Support for Switching
- Up to 256 VLANs Support
- Filtering : DHCP, NetBios, NBT, Mac, Broadcast Storm, IP Packet Filtering, IP-Subnetwork range blocking, Selective handling of specified IP address, Detection of IP address collision
- Secure Network : DoS prevention, Warm virus Filtering
- IEEE 802.1p, IEEE802.1Q, IEEE802.1D, IEEE802.3x
- Rate Limit : @ 1Mbps (100M & Gigabit port)
- Egress Traffic Shaping (Rate Limit) per Port
- Ingress Traffic policing per flow/packet
- VLAN, Multi VLAN, STP, RSTP, IGMP snooping & query
- Port Trunking, Link Aggregation(802.3ad), Port enable/disable, Stacking
- TFTP, CLI, Telnet, Syslog, SNMP I / II , RMON, Port Mirroring.


Specification

Hardware Specification	
System Architecture & Console	24 fixed 10/100Base-TX ports (Auto-negotiation, Auto-Sensing, Auto MDI/MDIX) 2 Expansion Module for uplink RS-232C Serial Port (RJ-45 type)
UP Link Interface	GPON Optical Interface EPON Optical Interface 10/100BASE-TX (RJ-45) 1000BASE-T (RJ-45) 1000BASE-SX (SC Type) 1000BASE-LX (SC Type)

	1000BASE-LH (SC Type) 100BASE-FX (SC Type)
Memory	64MB Main Memory 16MB Flash Memory
Physical Dimension	19 inch Rack Mount Type 44mm(H)x482.6mm(W)x260mm(D) Max 4Kg
Environment Conditions	
Power	AC, DC
Input power and frequency	110~220 VAC / 50~60 Hz, -44 ~ -52 VDC
Power consumption	Max 16.64 W
Temperature	0℃ ~ 50℃ (Operation), -20~60℃ (Storage)
Performance	
Switching Fabric	12.8 Gbps non-blocking
Throughput	6.5 Mpps wire-speed L2 Switching
Capacity	
MAC Address	Up to 16K MAC Management
VLAN	Up to 256 VLAN Private Edge VLAN, 802.1Q Tag Vlan (Max 256 Tag Vlan) Link Aggregation (802.3ad) : 13 group, Max 8 port/group
Services and Features	
Filtering, Security & QoS	IEEE 802.1p QoS, Diff-serv support Congestion Management Filtering : Mac address, Mac address Count limit, Netbios, NBT, DHCP, Broadcast Storm, Selective handling of specified IP address, IP Packet filtering, Detection of IP address collision, IP Sub-network range blocking Virus Filtering : DoS prevention, Warm virus Filtering Subscriber Traffic control by ACLs (Access Control Lists)
Bandwidth Management	Hardware-based Rate Limiting Rate Limiting : 1Mbps per Ethernet port Rate Limiting : 1Mbps per Gigabit port Egress Traffic Shaping per Port Ingress Traffic Policing per Flow/Packet Hardware Based Symmetric & Asymmetric Rate Limiting
Management	SNMP v1/v2, RMON, MIB-I/II Remote S/W Upgrade, Telnet, TFTP, FTP, Port Mirroring CLI, Syslog, Access level control for administrator, RADIUS
Functions	STP(802.1D), RSTP(802.1w) DHCP relay/DHCP snooping NTP (Network Time protocol) Client Jumbo Frame packet support : 9022byte Stacking & IP Clustering : Max 8 Stacking
Multicasting Protocol	IGMP v2.0, IGMP snooping, IGMP proxy-reporting
Standards	
IEEE Standards	802.1D Spanning Tree Protocol 802.1w RSTP 802.1p Priority Control 802.1Q VLAN 802.3 10Base-T Ethernet 802.3u 100Base-X Fast Ethernet 802.3x Flow Control 802.3ad Link Aggregation 802.3z 1000Base-X Gigabit Ethernet
IETF Standards	RFC 768 UDP RFC 791 IP RFC 903 TCP RFC 2131 DHCP Relay RFC 2236 IGMP v2 RFC 1112 IGMP

Management Standards & MIB	<p>RFC 783 TFTP RFC 854 Telnet RFC 1157 SNMP v1 RFC 1213 MIB-I I RFC 1493 Bridge-MIB RFC 1757 RMON-MIB RFC 1902 SNMP v2 RFC 1907 SNMP-MIB RFC 1643 Ethernet-like Internet MIB</p>
ITU Standards	<p>G.984.1 General characteristics for Gigabit-capable Passive Optical Networks (GPON) G.984.2 Gigabit-capable Passive Optical Networks (GPON): Physical Media Dependent (PMD) layer specification G.984.3 Gigabit-capable Passive Optical Networks (G PON): Transmission convergence layer specification G.984.3</p>

GPON Uplink Module

Model Name	Picture	Specification
F502GPB		<ul style="list-style-type: none"> - Downstream 2.5G / Upstream 1.25G - Distance : 20Km