

# Layer3 QoS Switch VP5208A

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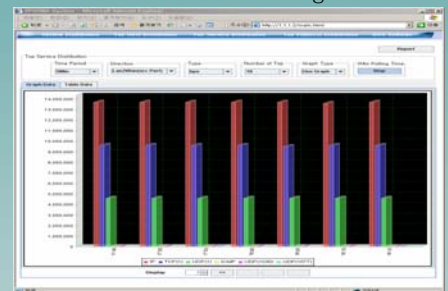
(주)유비쿼스 VP5208A는 기업망, 사내망, 공공망, 학내망, PC방 등 가입자 사이트에 위치하여 메트로이더넷 회선을 제공하기 위한 QoS 단말 스위치입니다. VP5208A 스위치는 Layer2, Layer3 기능 및 QoS, 패킷 필터링, Rate Limiting 기능, 전송효율을 높이기 위한 IP 멀티캐스팅 기능, 사용자 편리성에 중점을 둔 RMON, Telnet, EMS등의 운영관리 기능을 지원하며, Store & Forward방식의 최대 5.6 Gbps의 Switching Fabric과 4.2 Mbps 와이어 스피드를 통해 매트로 이더넷 네트워크를 쉽고 간단하게 구축할 수 있습니다.

## 장비 특성 및 성능

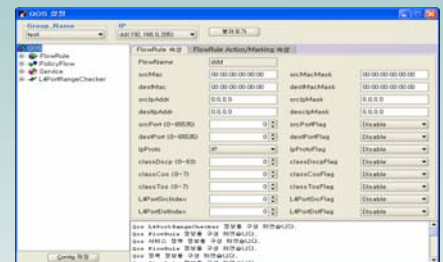
- Fixed 8 10/100Base-TX ports for downlink
- 100/1000B-FX or 10/100/1000B-Tx : 2 ports (combo type uplink)
- 5.6 Gbps Non-Blocking Switch Fabric
- 4.2 Mpps Wire Speed L2/L3 Switching/Routing
- Up to 16K MAC Address Support for L2 Switching
- Up to 128 VLANs Support
- Filtering : DHCP, NetBios, NBT, Mac, Broadcast Storm, IP Packet Filtering, IP-Subnetwork range blocking, Selective handling of specified IP address, Detection of IP address collision
- Secure Network : DoS prevention, Worm virus Filtering
- Static, Default gateway, Secondary IP
- IEEE802.1p Classification, Marking & Remarking, Rate limit, Tail Drop, SPQ, DWRR
- Rate Limit: @ 1Mbps (100M & Gigabit port)
- Egress Traffic Shaping (Rate Limit) per Port
- Ingress Traffic policing per flow/packet
- IGMP snooping, PIM-SM, Port Trunking, DHCP Relay
- TFTP, CLI, Telnet, Syslog, SNMP I/II, Agent, RMON, Port Mirroring
- QoS Reporting & Monitoring
- Web based Management for Traffic Monitoring and Qos setting
- EMS Support

## EMS (Element management System) Feature

### Traffic Monitoring



### QoS Management



### Configuration/Fault Management



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## Technical Specification

Hardware Specification		Capacity	
System Architecture	100/1000-SFP/Tx : 2 ports (combo type uplink) 8-fixed 10/100Base-TX ports	MAC	MAX 16K MAC Address
Console	RS-232C Serial port(RJ-45 type)	VLAN	MAX 128 VLAN 8021.Q Tag Vlan (Max 128 Tag Vlan) 802.3ad : 8 group, (Max 8 port/group)
Memory	128MB Main Memory 16MB Boot/OS Flash Memory 1GB for traffic statistics history	Service and Feature	
Physical Demention	19"Rack Mount 44mm(H) x 437mm(W) x 300mm(D)	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, Worm virus Filtering Subscriber Traffic control by ACL (Access Control Lists)
Environment Conditions		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
사용 전원	100~240 VAC / 50~60 Hz	Management	SNMP v1/v2, RMON, MIB-I/II Remote S/W Upgrade, Telnet, TFTP, FTP, Port Mirroring, RADIUS CLI, Syslog, Web Management, EMS
소비전력	25W	Functions	STP(802.1D), RSTP(802.1w) DHCP relay NTP (Network Time protocol) Client Jumbo Frame : 9216byte
동작 온도	0 ~ 50 ℃	Multicast	IGMP v2.0 IGMP Snooping, IGMP PIM-SM
Performance			
Switching Fabric	5.6 Gbps Non-Blocking		
Throughput	4.2 Mpps		
Media Interface			
Interface Type	100/1000B-SFP or 10/100/1000B -Tx : 2ports (combo type uplink) 10/100Base-TX: 8 ports		
Console	RS-232C Serial port(RJ-45 type)		

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(주) 유비쿼스  
서울시 강남구 도곡동 467-12  
Tel. +82-2-2043-0026 / Fax. +82-2-2043-2299  
Web. <http://www.ubiquoss.com>  
E-mail. Biz1.team@ubiquoss.com