

## Layer 2 스위치 >> PoE >> E5303A-24P

기가급 L2 PoE 워크그룹 스위치



### 소개

유비쿼스 Giga PoE 스위치(E5303A-24P)는 IEEE 802.3 af / 802.3 at 를 준수하는 PoE(Power over Ethernet)스위치로 IP 전화기, 무선 Access Point 등의 device 들에게 데이터와 전원을 동시에 공급함으로써 전원 설비에 대한 추가적인 부담이 없이 네트워크의 가용성을 증대할 수 있습니다.

E5303A-24P PoE 스위치는 Uplink 4port 1000Base-X(SFP) 와 Downlink 24port 10/100/1000base-Tx 를 지원하며 Non-Blocking 스위칭 패브릭 구조로 모든 포트에서 Wire-Speed 를 지원합니다.

E5303A-24P 스위치는 IPv6 를 지원하며, 하드웨어 기반의 대역폭 관리 기능 (Rate Limiting) 과 QoS (Quality-of-Service) 기능을 지원하여 차세대 인터넷 환경에 적합한 현대인터넷, 홈 네트워크 및 차별화 된 IP 서비스를 제공할 수 있습니다.

또한 차별화된 서비스를 위한 QoS 기능, 보안을 위한 각종 필터링 기능 및 호스트 정보보호 기능, 효율적인 서비스 운용을 위한 트래픽 모니터링 기능 등 소프트웨어 상의 검증된 기술들이 적용되어 있습니다.

### 특징

- 24 ports 10/100/1000Base-Tx (Fixed) & PoE(PSE, IEEE 802.3af/Full load 15.4W)
- 4 Port SFP or 10/100/1000 Base-Tx (Dual Purpose)
- Power: 110~220 VAC / 50~60 Hz, -44~-52 VDC
- 56Gbps Non-Blocking Switch Fabric
- 41.6Mpps Throughput
- 256MB Main Memory, 64MB Flash Memory
- Max. 16K MAC Address Support for Switching
- 256 VLANs Support
- Filtering: DHCP, NetBios, NBT, Mac, IP Packet Filtering, IP-Subnetwork range blocking, Selective handling of specified IP address, Detection of IP address collision
- Alert when traffic/CPU load threshold reached
- MAC address falsification & flooding prevention (static MAC, MAC count)
- Multicast/broadcast flooding prevention (broadband controlled & auto-lift after a period of time)
- Secure Network: DoS prevention, Warm virus Filtering
- IEEE 802.1p, IEEE802.1Q, IEEE802.1D
- 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
- Max. 128 ACL for QoS standards and filtering
- Gateway IP Address Resolution Protocol (GARP)
- IGMP v1/v2, IGMP Snooping, IGMP Snooping Proxy Reporting supported
- SNMP trap for up/down linking and system initialization
- TFTP, CLI, Telnet, Syslog, SNMP I/II, RMON, Port Mirroring
- Hardware based IPv6

하드웨어 사양	
System Architecture & Console	24 fixed 10/100/1000Base-Tx ports & PoE(PSE, IEEE802.3af/Full load 15.4W) 4 Port SFP or 10/100/1000Base-Tx(Dual Purpose) (Auto-negotiation, Auto-Sensing, Auto MDI/MDIX) RS-232C Serial Console Port (RJ-45 type)
Memory	256MB Main Memory 64MB Flash Memory
Physical Dimension	19" Rack Mount Type, 1RU 44mm(H)x440mm(W)x330mm(D)
환경 조건	
Power	110~220 VAC / 50~60 Hz, -44~-52 VDC
Power consumption	Max. 318.5W (60W when PSE is not used)
Operating temperature	0℃~ 50℃ (-20~60℃)
Storage temperature	-30℃~ 70℃
성능	
Switching Fabric	56Gbps non-blocking
Throughput	41.6Mpps wire-speed L2 Switching
IPv6	H/W based supported
용량	
MAC Address	Up to 16K MAC Management
VLAN	256 VLAN Private Edge VLAN, 8021.Q Tagged-VLAN Link Aggregation (802.3ad): 13 group, Max 8 port/group
서비스와 특징	
Filtering, Security & QoS	IEEE 802.1p QoS, Diff-serv support, Congestion Management Filtering: Mac address, Mac address Count limit, Netbios, NBT, TCP Sync cookies, TCP RST-UNKnown, Martian-Filter, DHCP, Broadcast Storm, selective handling of specified IP address, IP Packet filtering, detection of IP address collision Virus Filtering: DoS prevention, Warm virus Filtering Subscriber Traffic control by ACLs (Access Control Lists) Queue: 8, SPQ, WRR, SPQ+WFO Service differentiation for Control Packet (Ping, Telnet, SNMP, FTP, TFTP, etc)
Management	SNMP v1/v2, RMON, MIB-I/II, log flash, Subscriber (Block/unblock), Last MAC Management, Remote S/W Upgrade, Telnet, TFTP, FTP, Port Mirroring, CLI, Syslog, Access level control for administrator Radius, TACAS+
Functions	STP(802.1D), RSTP(802.1w), Self-Loop controlled DHCP relay/DHCP snooping, DHCP option 82 Storm-control (L2DLF, Broadcast, Multicast), Flood-Guard (pps control), CPU Filter(IP+TCP/UDP PORT NO) NTP (Network Time protocol) Client Jumbo Frame packet support: 9022byte Stacking & IP Clustering: 8 Clustering
Multicasting Protocol	IGMP v2.0, IGMP snooping, 255 snoop Table, IGMP query, IGMP Join/Leave Suppression, IGMP Fast Leave, IGMP Static Join, IGMP proxy reporting
표준	
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	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

## 주문 정보

Model Name		Part Name	Full set
E5303A	Main Body	E5303A-AC/DC	1