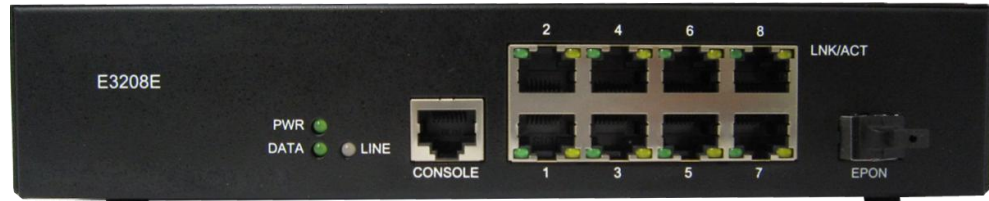


GE-PON Solution >> ONU >> E3208E

GE-PON ONU based on Mini L2 switch



Overview

E3208E는 광대역 멀티미디어 서비스를 제공하기 위해 액세스 네트워크 세그먼트에서 사용할 수 있는 패스트 이더넷 L2 스위치입니다. 가입자들에게 고성능 스위칭 서비스를 제공 할 수 있습니다. 이 패스트 이더넷으로 100Mbps 다운 링크 속도 및 GE-PON 등의 업 링크 포트를 기반으로하기 때문에 또한 경제적으로 제공 할 수 있습니다.

E3208E 높은 트래픽 요구되는 중간 크기의 네트워크에 가장 적합한 솔루션입니다. E3208E는 고급 네트워크 관리 및 국제 표준을 따른 스위칭 기능을 제공합니다. E3208E 8개의 패스트 이더넷 포트와 1개의 GE-PON은 업링크 모듈로 구성되어 있습니다.

Features

- 8 ports 100Base-TX (Fixed)
- Uplink : 1-port EPON 1.25G
- Power: 110~220 VAC / 50~60 Hz
- 12.8Gbps Switching Capacity
- 1.19Mpps throughput
- Max. 16K MAC Address Support for Switching
- 256 VLANs Support (VLAN ID range 1 ~ 4094)
- 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
- Multicast/broadcast flooding prevention
- Secure Network: DoS prevention
- IEEE 802.1p, IEEE802.1Q, IEEE802.1D
- Rate Limit: @ 1Mbps (100M port)
- Ingress Traffic Policing per flow/packet
- VLAN, Multi VLAN, STP, RSTP, IGMP snooping & query
- Max. 128 ACL for QoS standards and filtering
- IGMP v1/v2, IGMP Snooping, IGMP Snooping Proxy Reporting supported
- SNMP trap for up/down linking and system initialization
- CLI, Telnet, Syslog, SNMP I/II, RMON, Port Mirroring
- OS upgrade with TFTP or FTP
- Backup(switch-over) upon AC power failure
- Over-charge and over-current prevention for battery
- Protection from voltage fluctuations for battery
- Battery charger included as part of the device/unit(4.5AH battery not incl.)
- Seamless failover to DC upon AC going down
- Shutting off the switch if Battery is powering the switch and voltage falls below 10.5V to ensure long life.
- Circuit handles 100V to 300V

Specification

| E3208E Hardware Specification | |
|--------------------------------------|--|
| System Architecture & Console | 8 fixed 100Base-TX ports (Auto-negotiation, Auto-Sensing, Auto MDI/MDIX) 1 Fixed Uplink EPON 1 port RS-232C Serial Console Port (RJ-45 type) |
| Physical Dimension | 268 x 44 x 128 mm (W x H x D) |
| Environment Conditions | |
| Power | AC |
| Input power & frequency | 110~220 VAC / 50~60 Hz |
| Power consumption | Max. 16.9W |
| Operating temperature | 0℃~ 50℃ |
| Storage temperature | -20℃~ 60℃ |
| Performance | |
| Switching Fabric | 12.8Gbps non-blocking |
| Throughput | 1.19Mpps wire-speed L2 Switching |
| Capacity | |
| MAC Address | Up to 16K MAC Management |
| VLAN | Up to 256 VLAN (VLAN ID range 1~4094) Private Edge VLAN, 8021.Q Tagged-VLAN Link Aggregation (802.3ad): 8 group, Max 8 port/group |
| Services and Features | |
| Filtering, Security & QoS | IEEE 802.1p QoS, Diff-serv support, Congestion Management Filtering: Mac address, Netbios, NBT, Mac Address Count Limit, Broadcast Storm, selective handling of specified IP address, IP Packet filtering, DoS Attack Prevention Subscriber Traffic control by ACLs (Access Control Lists) Queue: 8, SPQ, WRR, WFQ 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 with TFTP or FTP, Telnet, Port Mirroring, CLI, Syslog, Access level control for administrator Radius, TACAS+, Remote power reset, Auto-reset(software diagnosis) |
| Functions | STP(802.1D), RSTP(802.1w), Self-Loop controlled Storm-control (L2DLF,Broadcast,Multicast), CPU Flood-Guard (pps control), CPU Filter(IP+TCP/UDP PORT NO) NTP (Network Time protocol) Client |
| Multicasting Protocol | IGMPv1/v2, IGMP snooping, 255 snoop Table, IGMP query, IGMP /Leave Suppression, IGMP Fast Leave, IGMP Static Join, IGMP proxy reporting IGMPv3 aware |
| Support IPv6 | |
| IPv6 Multicast Protocol | MLDv1 MLD snooping, 255 snoop Table, MLD query, MLD Report/Done Suppression, MLD Fast Leave, MLD Static Join, MLD proxy reporting MLDv2 aware |

| | |
|----------------------------|--|
| Etc | Classification: IPv6 header field Configuration: IPv6 address and IPv6 default gateway |
| 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 |
| IETF Standards | RFC 768 UDP RFC 791 IP RFC 903 TCP RFC 1112 IGMP RFC 2236 IGMP v2 RFC 2710 MLD v1 |
| 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 |