



## 24-Port Gigabit PoE+ L2 managed switch

### EnGenius L2 managed switch' family is special tailored for wireless Access Points and IP surveillance applications

The EGS7228P, one of the members of the EnGenius Layer 2 managed PoE switch family, provides 24 Gigabit ports that supports IEEE 802.3af/at PoE and 4 SFP slots for uplink purpose, expanding your network flexibility. Along with rich Layer 2 management features and high performance, the EGS7228P is a perfect choice for SMB networking.

### Single but powerful

EGS7228P provides 24 Gigabit ports that support 802.3af/at-compliant PoE, with a total PoE power budget of 185pw. Powerful enough for deploying PD such as network cameras, wireless access points and VoIP phones.

### Advanced features

Besides supporting VLAN, QoS and IGMP/MLD Snooping features for priority based application, such as IP surveillance or video/voice transitions. The EGS7228P also supports a complete line up of advanced Layer 2 features including Port Monitoring, STP/RSTP/MSTP, Link Aggregation Control Protocol (LACP), SNMP v1/v2c/v3, RMON, Access control for easy network security and much more. Moreover, it offers PoE management on ports and even priority-base configuration.

### Key Features

- + 24 Gigabit ports with IEEE 802.3af/at PoE support
- + 4 SFP slots available
- + Internal power supply with 185w PoE budget
- + PoE management
- + IGMP/MLD Snooping
- + IEEE 802.3ad Link aggregation
- + STP/RSTP/MSTP spanning three protocols
- + Access control list
- + IEEE 802.1x and RADIUS authentication
- + RMON / SNMP v1/v2c/v3



## Standard

Switching capacity: 56Gbps  
Forwarding mode: Store and Forward  
SDRAM: 128MB  
Flash memory: 4MB

## Port functions

24 10/100/1000Mbps ports in the front panel  
4 100/1000Mbps SFP slots  
1 RJ45 Console port

## PoE capability

PoE standard: Port 1~24 Support IEEE 802.3at/af  
PoE capable ports: Port 1~24 can output up to 30W  
PoE budget: 185 Watts

## LED indicator

Device:  
Power LED x1  
Fault LED x1  
PoE Max LED x1  
LAN Mode LED x1  
PoE Mode LED x1  
Copper ports: LAN/PoE mode, Link/Act  
SFP Ports: Link/Act

## Environment & mechanical

### Temperature range

Operating: 32 to 104°F / 0 to 40°C  
Storage: -40 to 158°F / -40 to 70 °C

### Humidity (non condensing)

5%-95%

## L2 features

IEEE 802.3ad compatible link aggregation  
Port mirroring  
Port trunking  
Spanning tree protocol  
802.1D spanning tree (STP)  
802.1W rapid spanning tree (RSTP)  
802.1S multiple spanning tree (MSTP)

IGMP snooping v1/v2/v3  
IGMP fast leave  
VLAN group  
Voice VLAN  
MLD snooping  
Queue  
CoS based on 802.1p priority  
CoS based on physical port  
CoS based on TOS  
CoS based on DSCP  
IEEE802.1X port-based access control  
IEEE802.1X guest VLAN  
Port security  
Storm control  
Port isolation  
Attack prevention  
Access Control List (ACL)  
PoE management  
Power on/off per port  
Power class configuration  
Power feeding with priority  
User defined power limit  
Telnet server  
TFTP client  
BootP/DHCP client  
Web-based support  
SNMP v1/v2c/v3 support  
TFTP upgrade  
Command Line Interface (CLI)  
SNTP  
RMONv1  
SYSLOG  
Cable diagnostics  
MIB Support  
RFC1213  
RFC1492  
RFC1757  
RFC2674