

EGS7228P

24-port Gigabit AT PoE + 4SFP Smart Switch

PRODUCT OVERVIEW



The EnGenius EGS7228P is a PoE Switch specially tailored for 802.11ac Access Points, Speed dome and PTZ surveillance applications and VoIP system. EGS7228P, one of the members from EnGenius Layer 2 PoE Switch family it offers 24-Gigabit ports with IEEE802.3at PoE Support on all Ethernet ports and 4 SFP slot for uplink purposes.

EGS7228P supports Power-over-Ethernet (PoE) on all ports, which compliant with IEEE802.3af/at standards, delivering up to 30 watts along with the connected Ethernet cables to powered devices with a power budget of 185Watt.

The EGS7228P supports VLAN, QoS, Bandwidth control, Link Aggregation Control Protocol (LACP), IGMP Snooping features for priority based application, such as IP surveillance or video/voice transitions and SNMP v1/v2c/v3, RMON, Access Control List for easy network security. Moreover, it offers PoE Management on ports or even priority base configuration.

TECHNICAL SPECIFICATIONS

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Network Protocol and Standard Compatibility	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T (Twisted Pair Copper) • IEEE 802.3u 100BASE-TX (Twisted Pair Copper) • IEEE 802.3ab 1000BASE-T (Twisted Pair Copper) • IEEE 802.3z 1000BASE-X • IEEE802.3x full duplex flow control
Network Ports	<ul style="list-style-type: none"> • 24 10/100/1000Mbps Auto Sensing Gigabit Ethernet • 4 SFP Slots
Power Consumption	235W Maximum
PoE Power Budget	185W
PoE Standard	IEEE802.3af and IEEE802.3at
PoE mode type	Mode B (deliver power over pair 4-5, 7-8)
PoE Capable Ports	<ul style="list-style-type: none"> • Port 1 to 24: 7.5W, 15.4W or 30W • Max 30W on 6 10/100/1000Mbps Port • Max 15.4W on 12 10/100/1000Mbps Port • Max 7.5W on 24 10/100/1000Mbps Port
PERFORMANCE	
Switch Capacity	56Gbps
Forwarding Rate	41.664Mpps
Forwarding Mode	Store and Forward
RAM Buffer Memory	256Mb
Flash Memory	32Mbytes
Jumbo Frame	9.6K
MAC Address Table	8K
INDICATOR	
LED	<ul style="list-style-type: none"> • Power LED • Fault LED • PoE Max LED • LAN Mode LED • PoE Mode LED • Copper Ports: LAN/PoE Mode, Link/Act • SFT Ports: Link/Act
SOFTWARE FEATURES	
L2 FEATURES	
802.3ad Link Aggregation	Yes (Support 4 ports/groups; 2 groups per device)
Port Trunking	Yes
Port Mirroring	Yes
Spanning Tree Protocol	<ul style="list-style-type: none"> • 802.1D Spanning Tree (STP) • 802.1w Rapid Spanning Tree (RSTP) • 802.1s Multiple Spanning Tree (MSTP)
IGMP Snooping	Support IGMP v1/v2/v3

IGMP Fast Leave	Yes
MLD Snooping	Yes
Port Mirroring	One-to-One, Many-to-One, Supports Mirroring for Tx/Rx/Both
Cable Diagnostics	Yes
VLAN	
802.1Q	Yes
VLAN Group	• Max 64 static VLAN groups, max 4094 VIDs
Voice VLAN	Yes
QoS (Quality of Service)	
802.1p Quality of Service	Yes
Queue Handling	8 priority queues supported
CoS based on	<ul style="list-style-type: none"> • 802.1p Priority Queues • Physical Port • TOS • DSCP
Bandwidth Control	• Port-based (Ingress/Egress, min. granularity 64 Kb/s)
SECURITY	
802.1X Port-based Access Control	Yes
802.1X Guest VLAN	Yes
Port Security	Yes
Storm Control	Yes
DOS Attack Prevention	Yes
Access Control List (ACL)	Yes
MANAGEMENT	
PoE Management	<ul style="list-style-type: none"> • Power on/off per port • Power class configuration • Power feeding with priority • User define power limit
Telnet Server	Yes

SSH Server	Yes
TFTP Client	Yes
BootP/DHCP Client	Yes
Web Based Support	Yes
SNMP	v1/v2c/v3 support
TFTP upgrade	Yes
Command Line Interface (CLI)	Yes
Time Setting	SNTP
Support RMON v1	Yes
System Log	Yes
Cable Diagnostic	Yes
MIB Support	<ul style="list-style-type: none"> • RFC1213 • RFC1493 • RFC1757 • RFC2674
HARDWARE SPECIFICATIONS	
Power Supply	100 ~ 240 VAC
Environment	<ul style="list-style-type: none"> • Operating temperature: 0 ~ 40°C • Storage Temperature: -40 ~ 70°C • Humidity 5 ~ 95% non-condensing
Dimension	440mm x 260mm x 44mm
Weight	3.6Kg

