

EGS7228FP

24-port Gigabit AT PoE + 4SFP Smart Switch + Full power at 370Watt + Optional Redundant Power Supply (RPS370) to enhance power to 740Watt



PRODUCT OVERVIEW

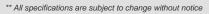
The EnGenius EGS7228FP is a PoE Switch specially tailored for 802.11ac Access Points, Speed dome and PTZ surveillance applications and VoIP system. EGS7228FP, one of the members from EnGenius Layer 2 PoE Switch family it offers 24-Gigabit ports with IEEE802.3at PoE Support on all Ethernet ports and 4 SFP slot for uplink purposes.

EGS7228FP 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. It has an optional Redundant Power supply to enhance power budget from 370Watt to 740Watt (with RPS370).

The EGS7228FP 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.

EGS7228FP Datasheet Version 180214

^{*}Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.



Business Class EGS7228FP



TECHNICAL SPECIFICATIONS		
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Network Protocol and Standard Compatibility	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	24 10/100/1000Mbps Auto Sensing Gigabit Ethernet4 SFP Slots	
Power Consumption	452W Maximum	
PoE Power Budget	370W	
PoE Standard	IEEE802.3af and IEEE802.3at	
PoE mode type	Mode B (deliver power over pair 4-5, 7-8)	
PoE Capable Ports	 Port 1 to 24: 7.5W, 15.4W or 30W Max 30W on 12 10/100/1000Mbps Port Max 15.4W on 24 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	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	802.1D Spanning Tree (STP) 802.1w Rapid Spanning Tree (RSTP) 802.1s Multiple Spanning Tree (MSTP)	
IGMP Snooping	Support IGMP v1/v2/v3	

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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	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	Power on/off per port Power class configuration Power feeding with priority User define power limit	
Telnet Server	Yes	

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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	• RFC1213 • RFC1493 • RFC1757 • RFC2674
HARDWARE SPECIFICATIONS	
Power Supply	100 ~ 240 VAC
Environment	 Operating temperature: 0 ~ 50°C Storage Temperature: -40 ~ 70°C Humidity 5 ~ 95% non-condensing
Dimension	440mm x 260mm x 44mm
Weight	TBD

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