

EGS5212FP

8-port Gigabit AT PoE + 2 Gigabit port + 2SFP
Smart Switch

PRODUCT OVERVIEW



EnGenius Smart PoE Switch family is special tailored for Access Points and IP surveillance applications. EGS5212FP, one of the members from EnGenius Smart PoE Switch family offers 8-Gigabit ports with IEEE802.3at PoE Support on all Ethernet ports with 2 port gigabit and 2 SFP slot for uplink purposes.

EGS5212FP 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.

The EGS5212FP supports VLAN, QoS, LACP and IGMP Snooping features for priority based application, such as IP surveillance or video/voice transitions.

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"> • 8 10/100/1000Mbps Auto Sensing Gigabit Ethernet • 2 Gigabit port • 2 SFP Slots
Power Consumption	150W Maximum
PoE Power Budget	130W
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 8: 7.5W, 15.4W or 30W • Max 30W on 4 10/100/1000Mbps Port • Max 15.4W on 8 10/100/1000Mbps Port • Max 7.5W on 8 10/100/1000Mbps Port
PERFORMANCE	
Switch Capacity	24Gbps
Forwarding Rate	17.856 Mpps
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
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
Loopback Detection	Auto disable port when loop is detected
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
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	330mm x 230mm x 44mm
Weight	2 Kg