

EnGenius ECS5512F Cloud Managed Switch



# EnGenius ECS5512F Cloud Managed Switch Instruction Manual

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## EnGenius ECS5512F Cloud Managed Switch



## Specifications

- **Product Name:** EnGenius Cloud-managed Switch Series

- **Management:** EnGenius Cloud or standalone
- **Ports:** 8, 10, 24, or 48 Gigabit ports
- **Power-over-Ethernet:** Yes, with options for PoE/PoE+/PoE++ models
- **SFP Ports:** 1 Gbps or 10 Gbps options
- **Management Methods:** Flexible selection
- **Security Features:** Port and server-based security, two-factor authentication, encryption

## Product Usage Instructions

- **ECS series switches** can be managed by EnGenius Cloud or work as standalone switches, providing enterprise-class features for simplifying network configuration and monitoring at prices affordable to small and mid-sized businesses. With advanced management, EnGenius Switches enhance network performance to allow companies to focus on growing their business.
- **Simple** — With an easy-to-deploy design, EnGenius Managed Gigabit Non-PoE and PoE Switches are operational within minutes. Organizations with limited IT support and budgets can create a reliable, efficiently managed network in no time.
- **Flexible** — Choose the port and physical configuration that meets your network and space requirements for optimal performance. Select the management method most effective for the network.
- **Reliable** — EnGenius Cloud's reliable Gigabit or Multi-Gigabit access for networked devices reduces delays that interrupt communications.
- **Secure** — Keep your network safe with port and server-based security in addition to two-factor authentication and encryption. By setting up event-based alerts, receive push notifications through the EnGenius Cloud To-Go app when potential issues arise.

## Features & Benefits

- Real-time system metrics, deep-dive analytics, and remote configuration
- Full-featured layer 2+ switching
- 1G/2.5G/10G Base-T Ethernet ports provide high-bandwidth aggregation connectivity to support high-speed access to the backbone of your network
- A wide range of PoE/PoE+/PoE++ switches that support 802.3af/at/bt on all ports, supporting PoE budgets from 55W to 740W
- Full-port 10G switch or mixed-port Multi-G switch with four SFP+ uplink ports to extend connectivity via fiber uplinks, redundancy, and failover
- Network troubleshooting, monitoring, and e-mail alerts
- The advanced view displays network topology with devices and relationships
- First aggregation switch with full-port 10G SFP+ and

## Layer 3 features

- Advanced PoE features for surveillance: PoE extended mode, PD lifeguard, and Continuous PoE power

## Benefits to Help Grow Your Business

### Increased Flexibility for Network Design

Select either 8,10,24, or 48 Gigaport ports and Power-over-Ethernet layer 2 switches with 1 Gbps SFP or 10 Gbps SFP+ ports. Cloud Managed switch model options also include desktop and rack-mountable, fanless, and SmartFan designs.

### High Performance Up of 10G Ethernet Capacity

The EnGenius Cloud-enabled switch series comes with multi-gigabit models that support 1G/2.5G/10G Base-T Ethernet ports that can transmit and receive data traffic without any loss. Capable of powering the performance of 802.11ax access points to support bandwidth larger than one gigabit per second, EnGenius switches provides faster overall network performance.

### Maximum Power Supply Capabilities to Future-proof Devices with 802.3bt

By providing a wide range of PoE/PoE+/PoE++ models that support 802.3af/803.at/802.3bt on all ports, companies can regulate power budgets according to device requirements and remotely power cycle individual ports. The 802.3bt standard of EnGenius switches delivers up to 60W of power to optimize the power management and longevity of your network devices, such as Wi-Fi 6 access points, outdoor surveillance cameras with heaters, and emerging power-hungry IoT devices.

### High-Speed Gigabit with Fiber

The switch's 1 Gbps SFP or 10 Gbps SFP+ slots options connect wired network segments throughout buildings extending beyond the limitations of Ethernet cabling. By reducing delays, businesses experience more consistent and uninterrupted communications.

### Increased Access Control and Security

Protect the network with 802.1X port-based client authentication with dynamic VLAN and security through a RADIUS server. Administrators can use Access Control Lists (ACLs) to see who has access to network segments while screening traffic from unauthorized MAC or IP addresses. By establishing a guest VLAN to grant and limit Internet resources for visitors, guests can use the network while also keeping the network secure.

### Improved VLAN/Voice and Quality of Service

Segment the network by departments or traffic types for increased performance and security with 802.1Q VLAN statically or dynamically. While 802.1p Class of Service prioritizes compliant VoIP and video traffic ensuring bandwidth-intensive, time-sensitive data is forwarded immediately for clear, smooth voice and video delivery.

The screenshot displays the EnGenius Cloud Management interface. At the top, there's a navigation bar with the EnGenius logo, a search bar, and a 'Switches' tab. Below this is a table listing network switches. Two switches are visible: 'ECS1008P-Lobby' and 'ECS1552FP'. The 'ECS1552FP' switch is selected, showing its detailed configuration. The 'Port view' section shows a grid of 52 ports, with a legend for 100/10 Mbps, 1 Gbps, 10 Gbps, Disconnected, Disabled, PoE, and Uplink. The 'VLAN' section shows a table with columns for Id, Tagged, and Untagged. The 'Status' section shows PoE(Used/Total) and STP status.

Name	MAC	Model Name	WAN IP	LAN IP	Port(Active/Total)	FW Version	Network	Uptime	Last Update	Actions
ECS1008P-Lobby		ECS1008P			1/8	v1.1.11-2.01.045	8F	39d 23h 38m	2 minutes ago	<a href="#">Details</a> <a href="#">Reboot</a>
ECS1552FP		ECS1552FP			10/52	v1.1.11-3.01.045	7F	10d 15h 55m	2 minutes ago	<a href="#">Details</a> <a href="#">Reboot</a>

**Port view**

Legend: 100/10 Mbps, 1 Gbps, 10 Gbps, Disconnected, Disabled, PoE, Uplink

**VLAN**

Id	Tagged	Untagged
1	-	1-8
100	-	1-24,49-52
2113	-	

**Status**

PoE(Used/Total)	STP
0W/55W	Enabled
25.1W/740W	Enabled

### **Provides In-Depth Network Visibility**

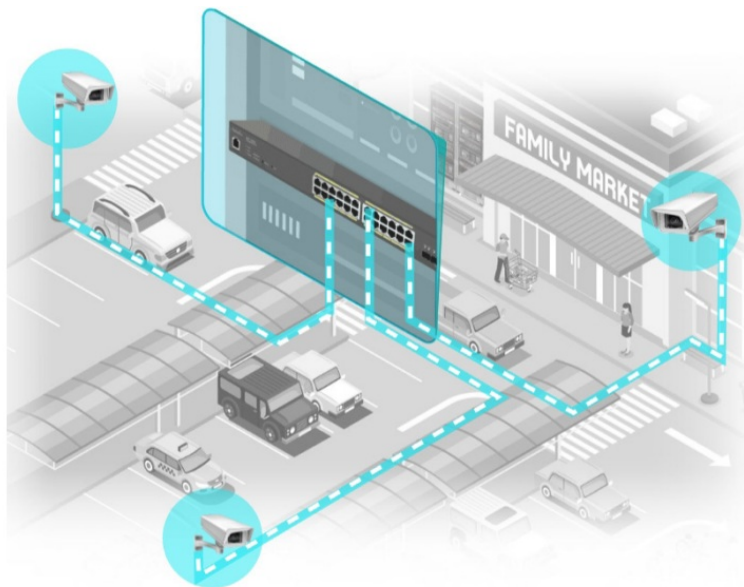
The Network Topology View automatically maps the network deployment and displays device relationships across the infrastructure. No more manual tracking is required — simply use the Network Topology view to troubleshoot switches or access points directly from the cloud management interface. Grab high-level information by hovering over the device icon or click on details to take you right to the cloud device page.

### **Advanced Cloud Authentication**

With EnGenius Cloud, your network devices are protected with two-factor authentication and non-sequential serial numbers and MAC address verification to ensure only authorized cloud devices are on the network. Once devices are authenticated, a secure tunnel is established between the device and the cloud management system with a unique certificate to encrypt transmissions.

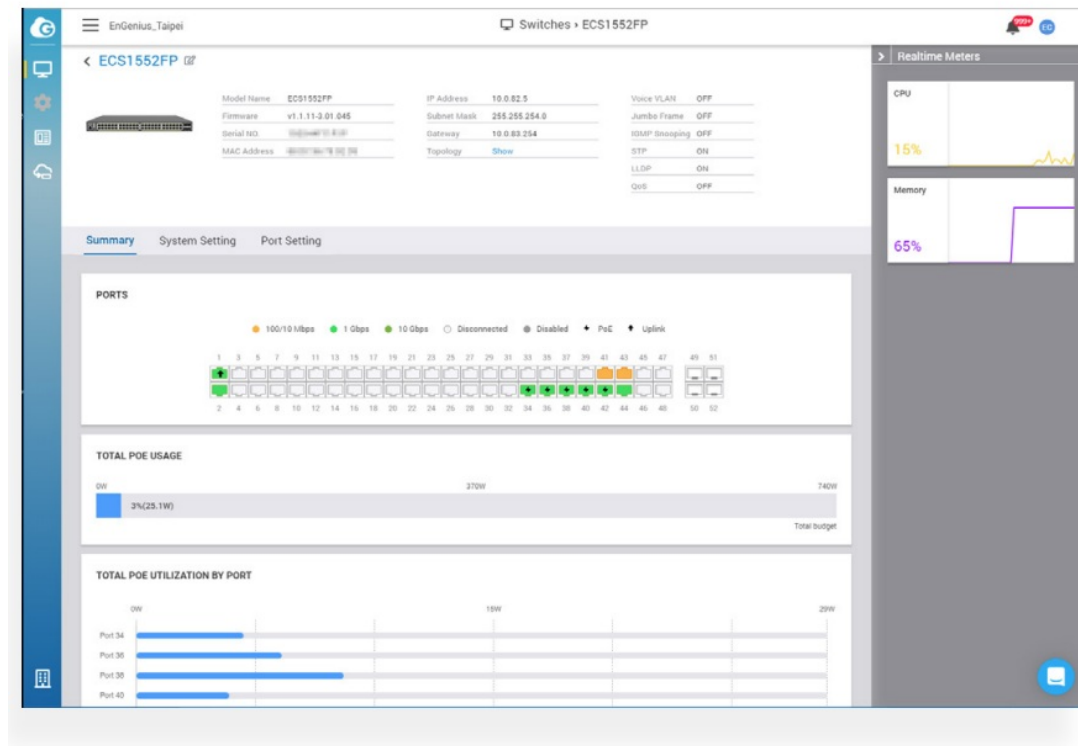
### **Advanced PoE Features Designing for Surveillance**

The PoE switches feature surveillance-friendly functions to relieve the pain points of deployment and management for IP cameras. These advanced features are all based on the Power-over-ethernet technology. The PoE extended mode allows you to deploy the camera over an Ethernet cable at a more extended range up to 250 meters. PD lifeguard real-timely monitors the status of the camera and auto-reboots the camera when it is down. The continuous PoE power supplies the IP camera in operation without interruption of the switch rebooting during switch firmware upgrading.



### **Cloud Improves Setup, Registry, and Device Management**

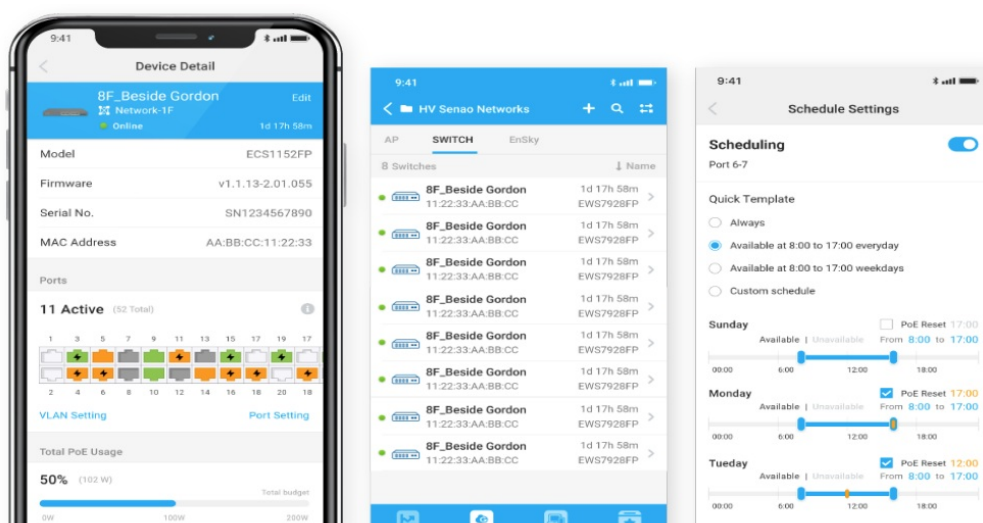
For quick and simple setup manage your switches using EnGenius Cloud. Scan and assign switches into an organization and network for device registration and configuration using the EnGenius Cloud To-Go app. Simply refine configurations under the list view for switches in the switch's detail page after initial setup and registration. EnGenius Cloud's dashboard provides a quick health check status of all your switches in an organization and network and quick access into detailed switch configurations and system information. Conveniently & easily monitor and troubleshoot all of your network switches in one location using a switch list and detail view to compare resources, check overall configurations and real-time meters, and configure detailed system and port settings. Set maintenance schedules across time zones to improve up-time, enable remote system log to track system modifications or configuration changes, establish event-based email alerts and receive push notifications via the EnGenius Cloud To-Go app.



## Simplified Switch Management, Visibility, and Troubleshooting

By using multiple methods to manage switches, EnGenius decreases administration time through remote management, visibility, and troubleshooting. Select the most effective management approach based on network architecture, administrative permissions, technical aptitude, or even budget.

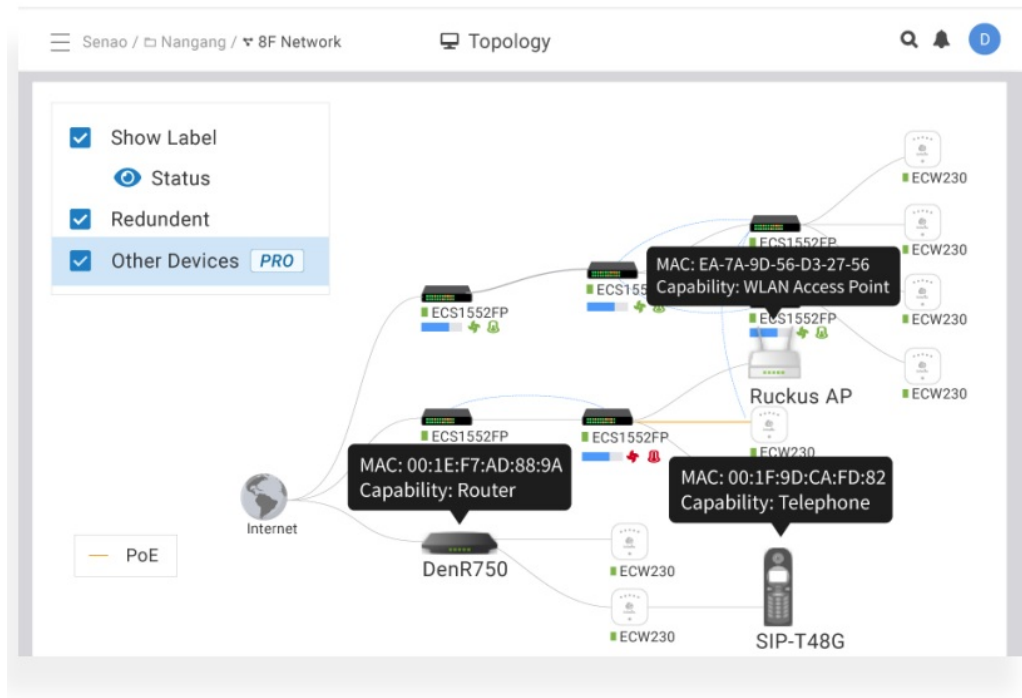
- **Local Management** – manage and configure each EnGenius switch in a standalone setup from its intuitive user interface that provides full access into all the Layer 2 switching features.
- **Cloud Management** – Remote or locally manage EnGenius switches with EnGenius Cloud, a true license-free cloud management solution that provides quick deployment from anywhere, deep-dive analytics to review system performance, and custom device alerts through a simple-to-use smartphone app.








## Advanced Topology to monitor the whole network including 3rd-Party Devices


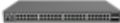
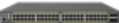

Besides Engenius Switch and AP to be discovered in the Topology, in professional mode, the Topology can discover 3rd party devices to have a holistic view of the Networking Topology. The topology view displays the actual connection of the devices in your network. You can see Access Points and Switches' real-time status and check the detailed information of PoE status, IP and MAC address, and throughput. In professional mode, you can

also view the device name, capability, vendor, and IP address of third-party devices to have overall control of network status.











## EnGenius Cloud Switches

Gigabit Switch					
					
Model Name	L2Plus 8 PoE	L2Plus 8 Full PoE	L2Plus 24		L2Plus 24 PoE
Model Number	ECS1008P	ECS1112FP	ECS1528T	ECS1528	ECS1528P
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	8	10	24	24	24
Multi-Gigabit Ethernet Ports	-	-	-	-	-
SFP Ports	-	2	-	-	-
SFP+ Ports	-	-	4	4	4
RJ45 Console Port	-	●	●	●	●
Form Factor	9.45" (desktop)	13" 1U	13" 1U	19" 1U	19" 1U
Power-over-Ethernet	802.3af/at	802.3af/at	-	-	802.3af/at
Total PoE Budget	55W	130W	-	-	240W
PoE Capable Ports	Ports 1-8	Ports 1-8	-	-	Ports 1-24
Switching Capacity	16Gbps	24Gbps	128Gbps	128Gbps	128Gbps
Packet Forwarding Rate (Mpps)	11.904Mpps	17.856Mpps	95.23Mpps	95.23Mpps	95.23Mpps
MAC Address Table	8K	8K	16K	16K	16K
Packet Buffer Memory	512KB	512KB	1.5MB	1.5MB	1.5MB
Full-load Power Consumption	62.05 Watts	152.8 Watts	24.41 Watts	24.41 Watts	297.6 Watts
PoE Extended Mode	●	●	-	-	●
PD Lifeguard	●	●	-	-	●
Continuous PoE Power	●	●	-	-	●
Dimensions	240mm x 105mm x 27mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm	440mm x 260mm x 44mm

Gigabit Switch				
				
Model Name	L2Plus 24 Full PoE	L2Plus 48	L2Plus 48 PoE	L2Plus 48 Full PoE
Model Number	ECS1528FP	ECS1552	ECS1552P	ECS1552FP
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	24	48	48	48
Multi-Gigabit Ethernet Ports	-	-	-	-
SFP Ports	-	-	-	-
SFP+ Ports	4	4	4	4
RJ45 Console Ports	●	●	●	●
Form Factor	19" 1U	19" 1U	19" 1U	19" 1U
Power-over-Ethernet	802.3af/at		802.3af/at	802.3af/at
Total PoE Budget	410W	-	410W	740W
PoE Capable Ports	Ports 1-24	-	Ports 1-48	Ports 1-48
Switching Capacity	128Gbps	176Gbps	176Gbps	176Gbps
Packet Forwarding Rate (Mpps)	95.23Mpps	130.95Mpps	130.95Mpps	130.95Mpps
MAC Address Table	16K	32K	32K	32K
Packet Buffer Memory	1.5MB	2MB	2MB	2MB
Full-load Power Consumption	500.46 Watts	43.92 Watts	476.3 Watts	885 Watts
PoE Extended Mode	●	-	●	●
PD Lifeguard	●	-	●	●
Continuous PoE Power	●	-	●	●
Dimensions	440mm x 260mm x 44mm	440mm x 260mm x 44mm	440mm x 310mm x 44mm	440mm x 310mm x 44mm



Multi-Gigabit Switch				
				
Model Name	MGPlus 8 Full PoE	CloudSwitch MGPlus 8	CloudSwitch MGPlus 8 Full PoE	MGPlus 24 Full PoE
Model Number	ECS2510FP	ECS2512	ECS2512FP	ECS2528FP
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	-	-	-	16
Multi-Gigabit Ethernet Ports	8x 2.5G	8x 2.5G	8x 2.5G	8x 2.5G
SFP Ports	-	-	-	-
SFP+ Ports	2	4	4	4
RJ45 Console Port	●	●	●	●
Form Factor	13" 1U	13" 1U	13" 1U	19" 1U
Power-over-Ethernet	802.3af/at	-	802.3af/at/bt	802.3af/at
Total PoE Budget	240W	-	240W	410W
PoE Capable Ports	Ports 1-8	-	Ports 1-8	Ports 1-24
Switching Capacity	80Gbps	120Gbps	120Gbps	152Gbps
Packet Forwarding Rate (Mpps)	59.52 Mpps	89.29 Mpps	89.29 Mpps	113.10 Mpps
MAC Address Table	16K	16K	16K	16K
Packet Buffer Memory	512KB	512KB	512KB	1.5MB
Full-load Power Consumption	270.47 Watts	23.52 Watts	299 Watts	499.85 Watts
PoE Extended Mode	-	-	-	●
PD Lifeguard	-	-	-	●
Continuous PoE Power	-	-	-	●
Dimensions	330mm x 230mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	440mm x 260mm x 44mm

Multi-Gigabit Switch				
				
Model Name	MGPlus 48 Full PoE	Aggregate 8XG	Aggregate 8XG Full PoE	Aggregate 12
Model Number	ECS2552FP	ECS5512	ECS5512FP	ECS5512F
Switch Class	Layer 2+	Layer 2+	Layer 2+	Layer 2+
Gigabit Ethernet Ports	32	-	-	-
Multi-Gigabit Ethernet Ports	16x 2.5G	8x 10G	8x 10G	-
SFP Ports	-	-	-	-
SFP+ Ports	4	4	4	12
RJ45 Console Port	●	●	●	●
Form Factor	19" 1U	13" 1U	13" 1U	Half Rack
Power-over-Ethernet	802.3af/at	-	802.3af/at/bt (up to 90W)	-
Total PoE Budget	740W	-	410W	-
PoE Capable Ports	Ports 1-48	-	Ports 1-8	-
Switching Capacity	224Gbps	240Gbps	240Gbps	240Gbps
Packet Forwarding Rate (Mpps)	166.67 Mpps	178.57 Mpps	178.57 Mpps	178.57 Mpps
MAC Address Table	32K	32K	32K	32K
Packet Buffer Memory	2MB	2MB	2MB	2MB
Full-load Power Consumption	913 Watts	29.22 Watts	410.35 Watts	43.4 Watts
PoE Extended Mode	●	-	-	-
PD Lifeguard	●	-	-	-
Continuous PoE Power	●	-	-	-
Dimensions	440mm x 310mm x 44mm	330mm x 230mm x 44mm	330mm x 230mm x 44mm	210mm x 230mm x 44mm

### Technical Specifications

		ECS2510FP		
Technical Specifications		80 Gbps		Power Source
Port Standards		ECS2512/ECS2512FP		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ ECS1528FP/ECS1552/ECS1552P/		120 Gbps		

ECS1552FP		ECS2528FP		
802.3 10Base-T Ethernet		152 Gbps		100 ~ 240VAC, 50/60Hz
802.3u 100Base-TX Ethernet		ECS2552FP		
802.3ab 1000Base-T Ethernet				Physical Interface
		224 Gbps		
802.3x Full-Duplex Flow Control				System Indicators
		ECS5512/ECS5512FP/ECS5512F		
ECS2510FP/ECS2512/ECS2512FP/ECS2528FP/ ECS2552FP/ECS5512/ECS5512FP/ECS5512F		240 Gbps		ECS1008P/ECS1112FP/ECS1528P/ECS1528FP/ ECS1552P/ECS1552FP/ECS2510FP/ECS2512FP/ECS2528FP/ECS2552FP/ECS5512FP
802.3u 100Base-TX Ethernet		SDRAM		Power LED
802.3ab 1000Base-T Ethernet		ECS1008P/ECS1112FP		Fault LED
802.3bz 2.5G/5GBase-T Ethernet		256MB		PoE Max LED
802.3x Full-Duplex Flow Control		ECS1528/ECS1528T/ECS1528P/ECS1528FP/ ECS1552/ ECS1552P/ECS1552FP/ECS2510FP / ECS2512/ECS2512FP/ECS2528FP/ECS2552FP/ ECS5512/ECS5512FP/ ECS5512F		LAN Mode LED
Network Ports				PoE Mode LED
ECS1008P				ECS1528/ECS1528T/ECS1552/ECS2512/ ECS5512/ECS5512F
8 x 10/100/1000 Mbps Ports				Power LED
ECS1112FP		Flash Memory		Fault LED

10 x 10/100/1000 Mbps Ports + 2x SFP Ports		ECS1008P/ECS1112FP		
ECS1528/ECS1528T/ECS1528P/ECS1528FP		32MB		Port Indicators
24 x 10/100/1000 Mbps Ports + 4x SFP+ Ports		ECS1528/ECS1528T/ECS1528P/ECS1528FP/ ECS1552/ ECS1552P/ECS1552FP/ECS2510FP / ECS2512/ECS2512FP/ECS2528FP/ECS2552FP/		ECS1008P
ECS1552/ECS1552P/ECS1552FP				Link/Activity/Speed (per Ethernet port)
				ECS1112FP/ECS1528/ECS1528T/ECS1528P/ ECS1528FP/ECS1552/ECS1552P/ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ECS2528FP/ ECS2552FP/ECS5512/ECS5512FP
48 x 10/100/1000 Mbps Ports + 4x SFP+ Ports				
		128MB		
ECS2510FP				
8x100/1000/2500 Mbps Ports + 2x SFP Ports		PoE Capable Ports		Link/Activity/Speed (per Ethernet port)
ECS2512/ECS2512FP		ECS1008P/ECS1112P/ECS2510FP		Link/Activity/Speed (per SFP slot)
8 x 100/1000/2500 Mbps Ports + 4x SFP+ Ports		Ports1-8 (802.3af/at)		ECS5512F
ECS2528FP		ECS2512FP		Link/Activity/Speed (per SFP slot)
16x10/100/1000 Mbps Ports + 4x SFP+ Ports		Ports1-8 (802.3af/at/bt)		
				Software Features(L3 Feature)
8x100/1000/2500 Mbps Ports		ECS1528/ECS1528T/ECS1528P/ECS1528FP/ ECS2528FP		Multiple IP Interface
ECS2552FP		Ports 1-24 (802.3af/at)		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS

32×10/100/1000 Mbps Ports + 4x SFP+ Ports		ECS1552P/ECS1552FP/ECS25 52FP		1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2 512/ECS2512FP/ ECS2528FP/ ECS2552FP/ECS5512/ECS551 2FP/  ECS5512F
16×100/1000/2500 Mbps Ports		Ports 1-48 (802.3af/at)		
ECS5512/ECS5512FP		ECS5512FP		20 IPv6 address
8 x100/1000/2500/5000/10000 Mbps Ports + 4x  SFP+ Ports		Ports 1-8 (up to 90W)		
				ARP Table
ECS5512F		Total PoE Budget		ECS1008P/ECS1112FP/ECS15 28/ECS1528T/ ECS1528P/ECS 1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2 512/ECS2512FP/ ECS2528FP/ ECS2552FP/ECS5512/ECS551 2FP/  ECS5512F
12x SFP+ Ports		ECS1008P		
		55W		
Switching Capacity				
		ECS1112FP		
ECS1008P				Max. 192 ARP entries
		130W		
16 Gbps		ECS1528P/ECS2510FP/ECS25 12FP		IPv4 Static Route
ECS1112FP		240W		ECS1008P/ECS1112FP/ECS15 28/ECS1528T/ ECS1528P/ECS 1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2 512/ECS2512FP/ ECS2528FP/ ECS2552FP/ECS5512/ECS551 2FP/  ECS5512F
24 Gbps		ECS1528FP/ECS1552P/ECS25 28FP/ECS5512FP		

ECS1528/ECS1528T/ECS1528P/ECS1528FP		410W		
128 Gbps		ECS1552FP/ECS2552FP		Max. 63 entries
ECS1552/ECS1552P/ECS1552FP		740W		
176 Gbps				

IPv6 Static Route		QoS Trust Mode
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
Max. 21 entries		Cos/802.1p
Software Features(L2 Feature)		DSCP
Network Management		CoS/802.1p-DSCP
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/		Scheduling Mechanism
ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F EnGenius Cloud		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
Local Web GUI		Strict / WRR/ Strict + WRR

MAC Address Table		Bandwidth Control
ECS1008P/ECS1112FP 8K ECS1528/ECS1528T/ECS1528P/ECS1528FP/ ECS2510FP/ECS2512/ECS2528FP		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ E CS1528P/ECS1528FP/ECS1552/ECS1552P/ EC S1552FP/ECS2510FP/ECS2512/ECS2512FP/ E CS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
16K		Port-based bandwidth control (Ingress/Egress)
ECS1552/ECS1552P/ECS1552FP/ECS2512FP/ ECS2552FP/ECS5512/ECS5512FP/ECS5512F		Port Security
32K  Jumbo Frame ECS1008P/ECS1112FP/ECS1528/ECS1528T/		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ E CS1528P/ECS1528FP/ECS1552/ECS1552P/ EC S1552FP/ECS2510FP/ECS2512/ECS2512FP/ E CS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/		Max. 256 Entries
ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F		Access Control List (ACL)
10k  Multicast Group ECS1008P/ECS1112FP/ECS1528/ECS1528T/		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ E CS1528P/ECS1528FP/ECS1552/ECS1552P/ EC S1552FP/ECS2510FP/ECS2512/ECS2512FP/ E CS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/		MAC Based ACL
ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F		IPv4/IPv6 Based ACL
Max 256 groups		ACL Binding

MLD Snooping		Web Graphical User Interface(GUI)
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F		ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
1x Rack Mount Kit		HTTP IPv4 / IPv6
QoS-number of Priority Queues Supported		HTTPS IPv4 / IPv6
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F		SNMP  ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/
Queue 8		ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F

## RMON

ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F

- RMON 1,2,3,9

## System Time

ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F

Time Setting/Daylight saving
Common L2 Features
ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/ ECS5512F
802.1D Spanning tree



802.1w Rapid Spanning Tree
802.1S Rapid Spanning Tree
Loopback Detection
Multicast Filtering
IGMP Snooping
802.1Q VLAN tagging
802.3x flow control
802.3ad Link Aggregation
IPv4 DHCP Relay
IPv4 DHCP Snooping
IPv4 DHCP Snooping Source MAC Address Check-up
ARP Packet Validation (additional validation checks)
Voice VLAN
Port-based VLAN
CoS Mapping
802.1X Radius Authentication Protocol
IPv4 Settings/IPv6 Settings
IEEE 802.3az Energy Efficient Ethernet (EEE)
Command Line Interface (CLI)
SSH Server
Telnet Server
TFTP Client
Configuration Upgrade/ Backup
Simple Network Time Protocol (SNTP)

## SYSLOG

### Environmental & Physical

#### Temperature Range

ECS1008P

Operating: 32°F to 104°F (0°C to 40°C)

ECS1112FP/ECS1528/ECS1528T/ECS1528P/ ECS1528FP/ECS1552/ECS1552P/ECS1552FP/ ECS2510FP/ECS2512/ECS2512FP/ECS2528FP/

ECS2552FP/ECS5512/ECS5512FP/ECS5512F

Operating: 32°F to 122°F (0°C to 50°C)

Humidity (Non-Condensing)

ECS1008P/ECS1112FP/ECS1528/ECS1528T/ ECS1528P/ECS1528FP/ECS1552/ECS1552P/ ECS1552FP/ECS2510FP/ECS2512/ECS2512FP/ ECS2528FP/ECS2552FP/ECS5512/ECS5512FP/

ECS5512F

Operating: 5% – 95%

#### Device Dimensions & Weight

#### Package Contents

ECS1008P

1x Cloud Managed Gigabit Switch

1x Product Card

1x Power Adapter

1x Power Cord
1x Wall Mount Kit
1x Ground Screw Set
ECS1112FP/ECS1528/ECS1528T/ECS1528P/ ECS1528FP/ECS1552/ECS1552P/ECS1552FP/ ECS2510FP/ECS2512/ECS2512FP/ECS2528FP/ ECS2552FP/ECS5512/ECS5512FP/ECS5512F
1x Cloud Managed Gigabit Switch
1x Product Card
1x Power Cord
1x RJ45 Console Cable
1x Rack Mount Kit
Device Dimensions & Weights
ECS1008P
Weight: 0.6 kg
Width: 105 mm
Length: 240 mm
Height: 27 mm
ECS1112FP/ECS1528T
Weight: 1.9 kg
Width: 330 mm

Length: 230 mm
Height: 44 mm

ECSECS1528
Weight: 1.9 kg
Width: 200 mm
Length: 440 mm
Height: 44 mm
ECS1528P/ECS1528FP/ECS1552/ECS2528FP
Weight: 4.7 kg
Width: 260 mm
Length: 440 mm
Height: 44 mm
ECS1552P
Weight: 3.9 kg
Width: 440 mm
Depth: 310 mm
Height: 44 mm
ECS1552FP
Weight: 4.76 kg
Width: 440 mm
Length: 310 mm
Height: 44 mm
ECS2552FP
Weight: 5.9 kg
Width: 310 mm
Length: 440 mm
Height: 44 mm
ECS2510FP/ECS2512/ECS2512FP/ECS5512/ ECS5512FP
Weight: 2.6 kg
Width: 230 mm

Length: 330 mm
Height: 44 mm
ECS5512F
Weight: 1.39 kg
Width: 210 mm
Length: 230 mm
Height: 44 mm

### Deployment and Setup

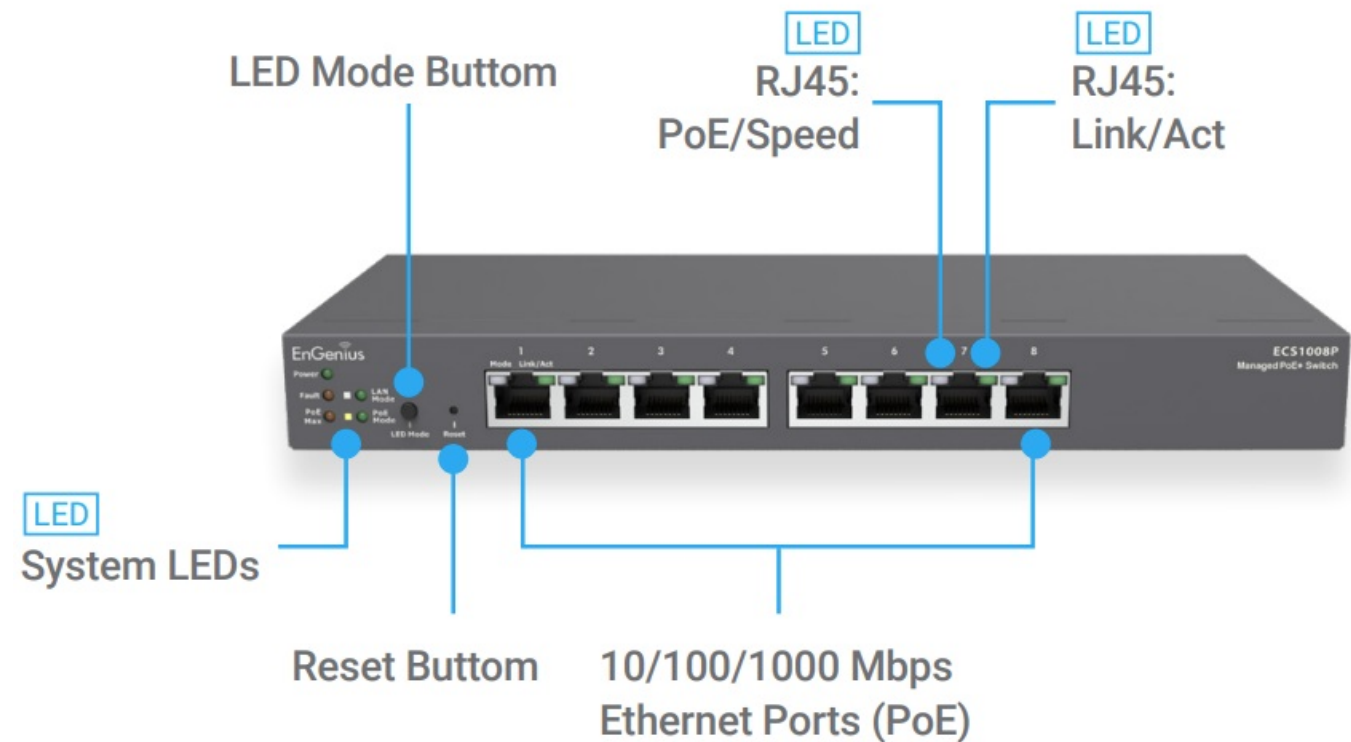
Deploy EnGenius Managed Gigabit NonPoE or PoE Switches by following these steps:

1. Connect the switch to power and network devices using appropriate cables.
2. Access the management interface either through EnGenius Cloud or local access.
3. Configure network settings, VLANs, and security features as needed for your environment.

### Product Views

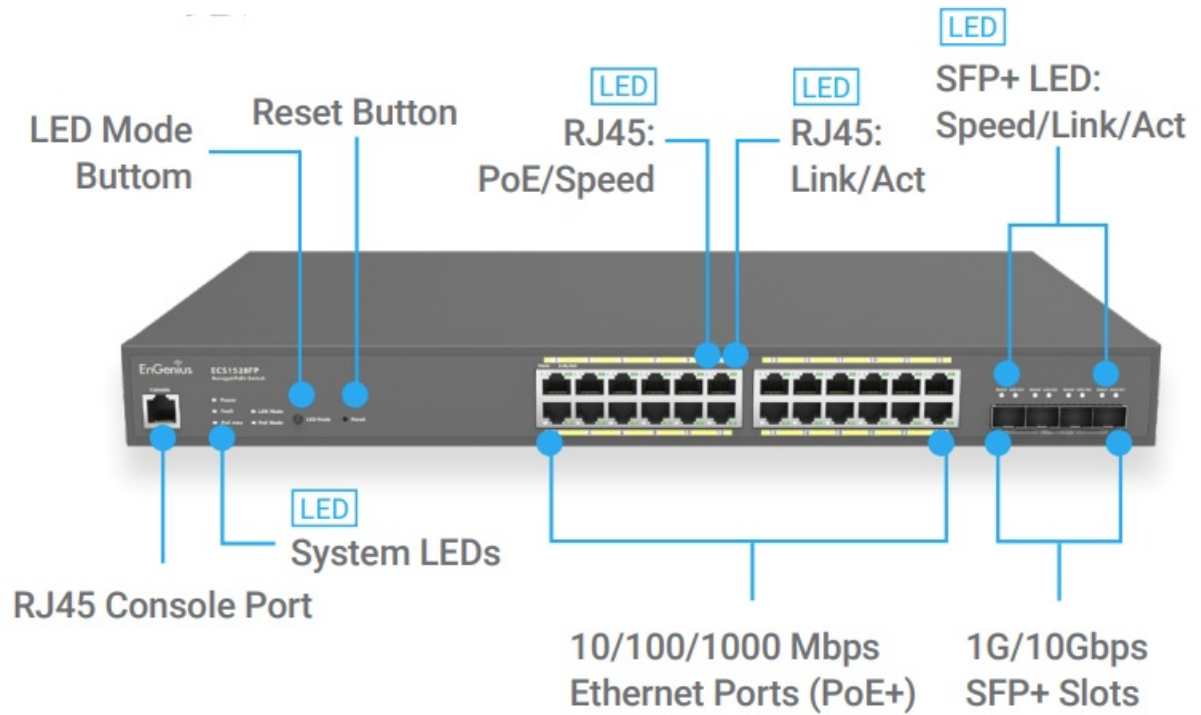
#### Desktop

CloudSwitch L2Plus 8 PoE (ECS1008P)



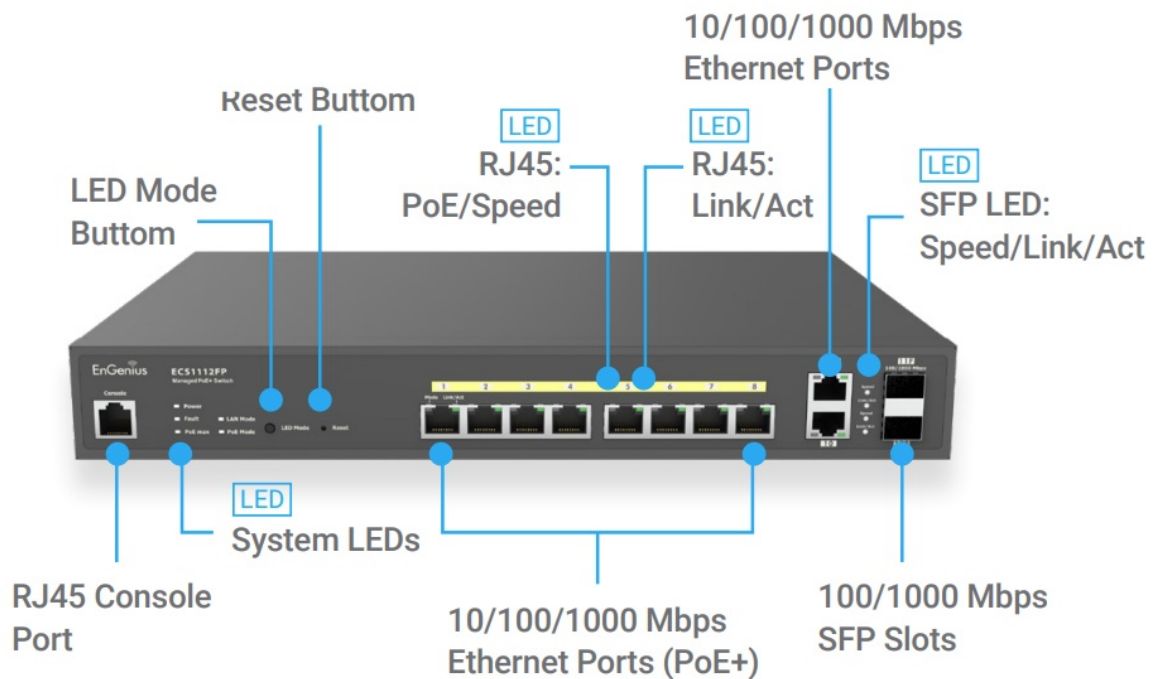
#### Rackmount

CloudSwitch L2Plus 8 Full PoE (ECS1112FP)

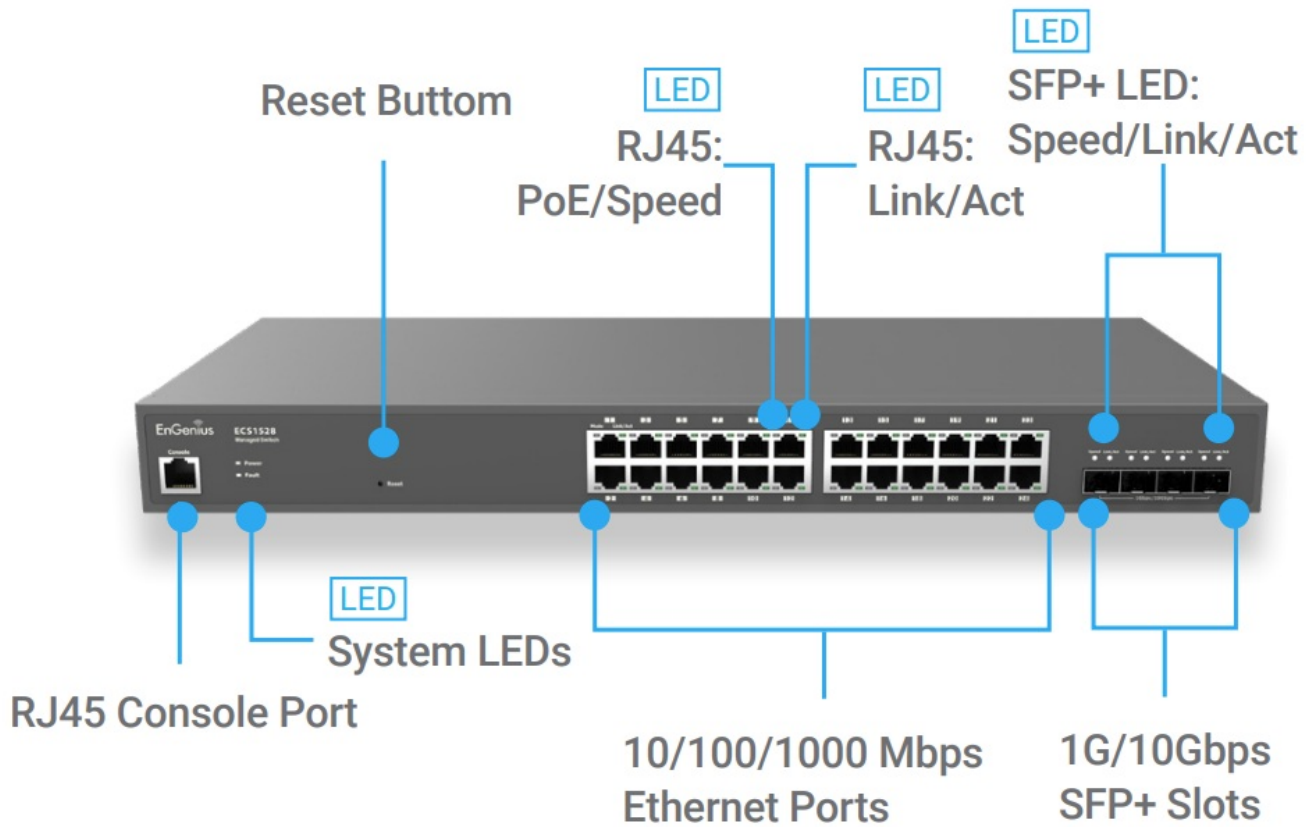


## Rackmount

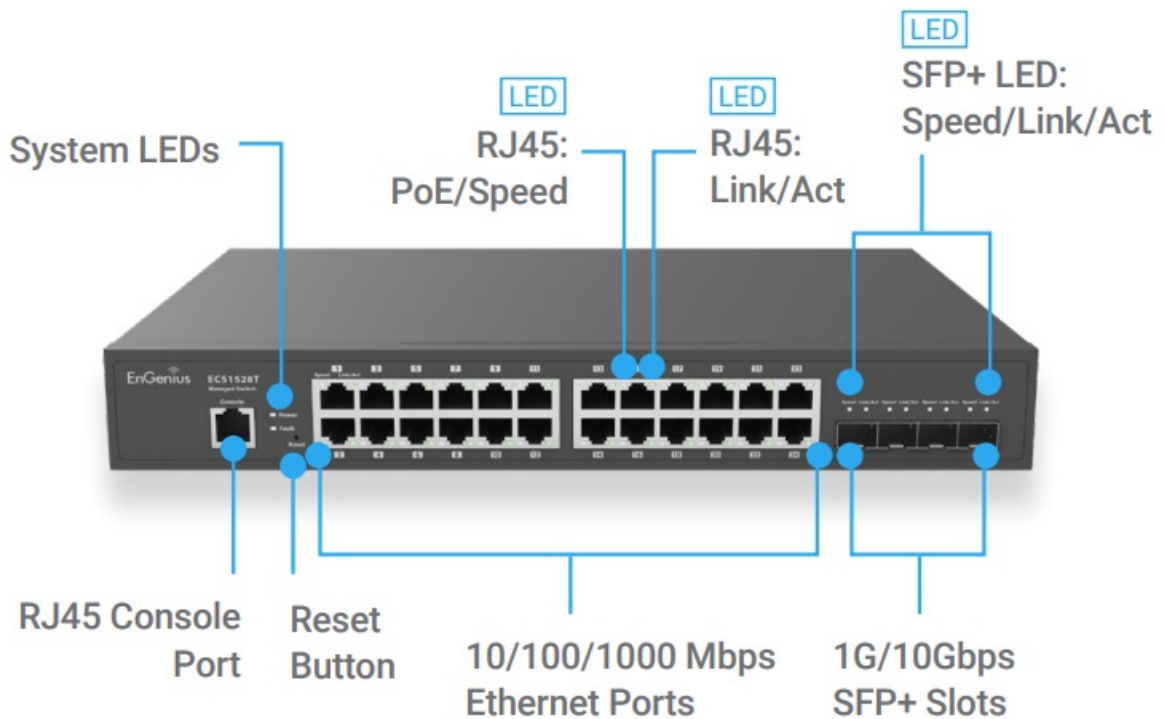
ECS1528



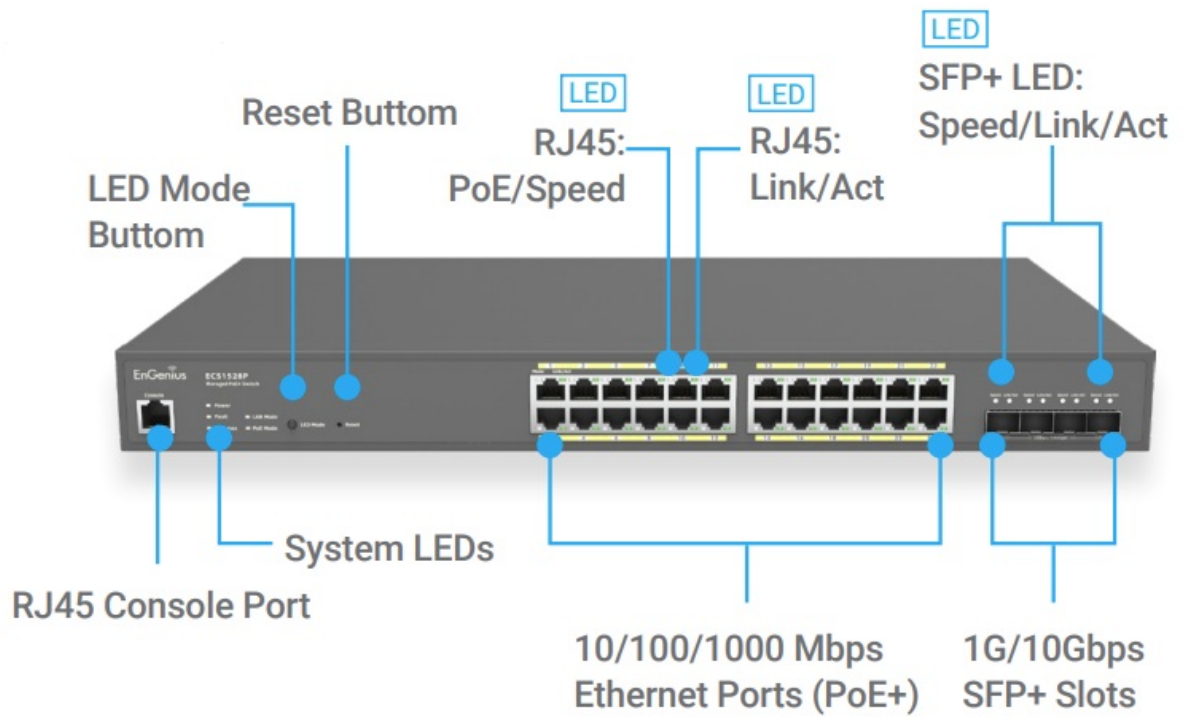
CloudSwitch L2Plus 24 (ECS1528T)



CloudSwitch L2Plus 24 PoE (ECS1528P)

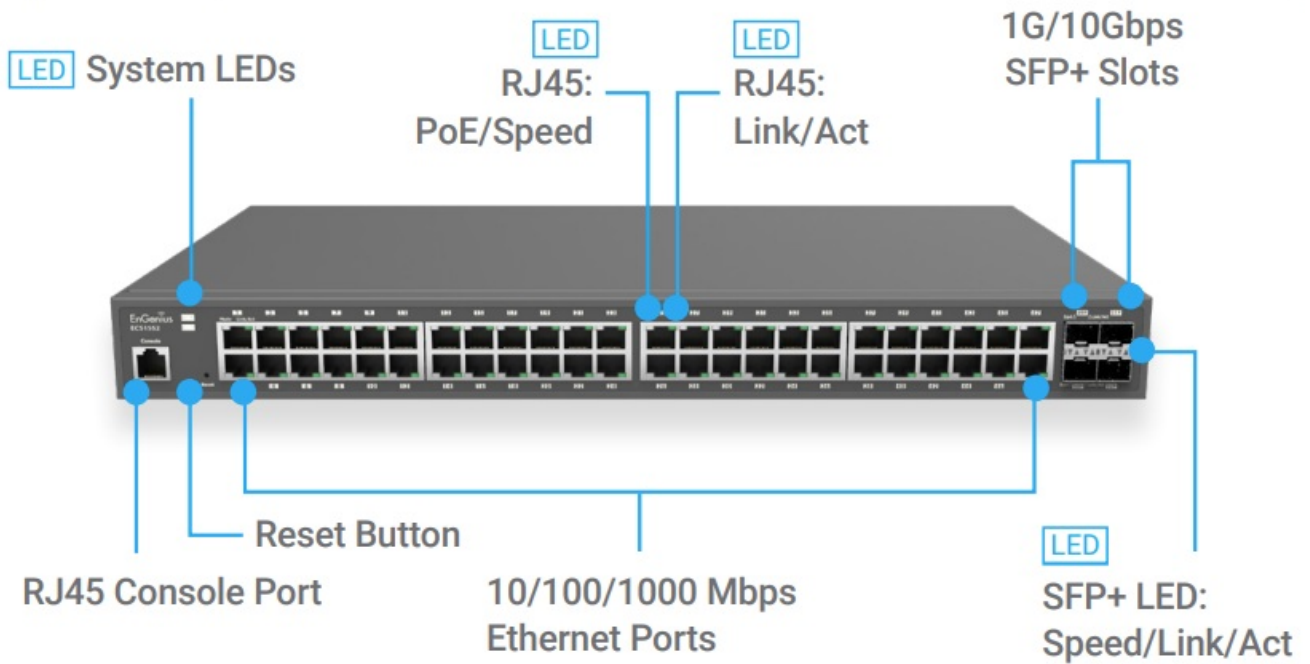


CloudSwitch L2Plus 24 Full PoE (ECS1528FP)



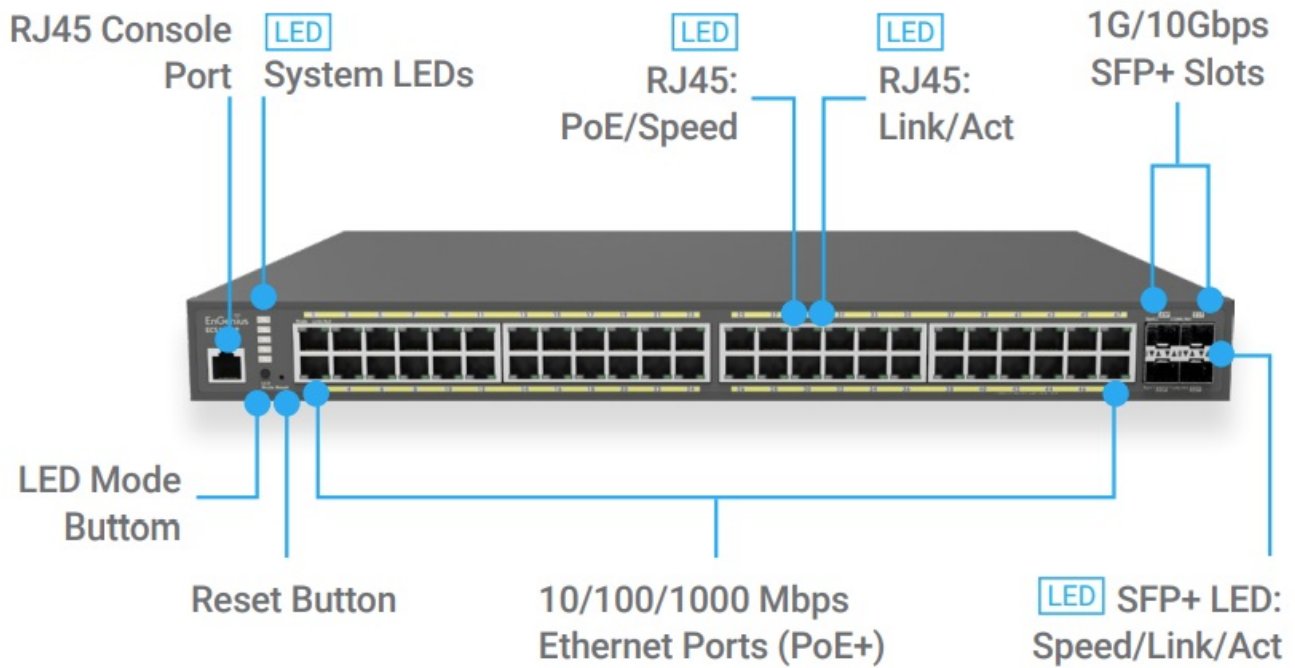
## Rackmount

CloudSwitch L2Plus 48 (ECS1552)

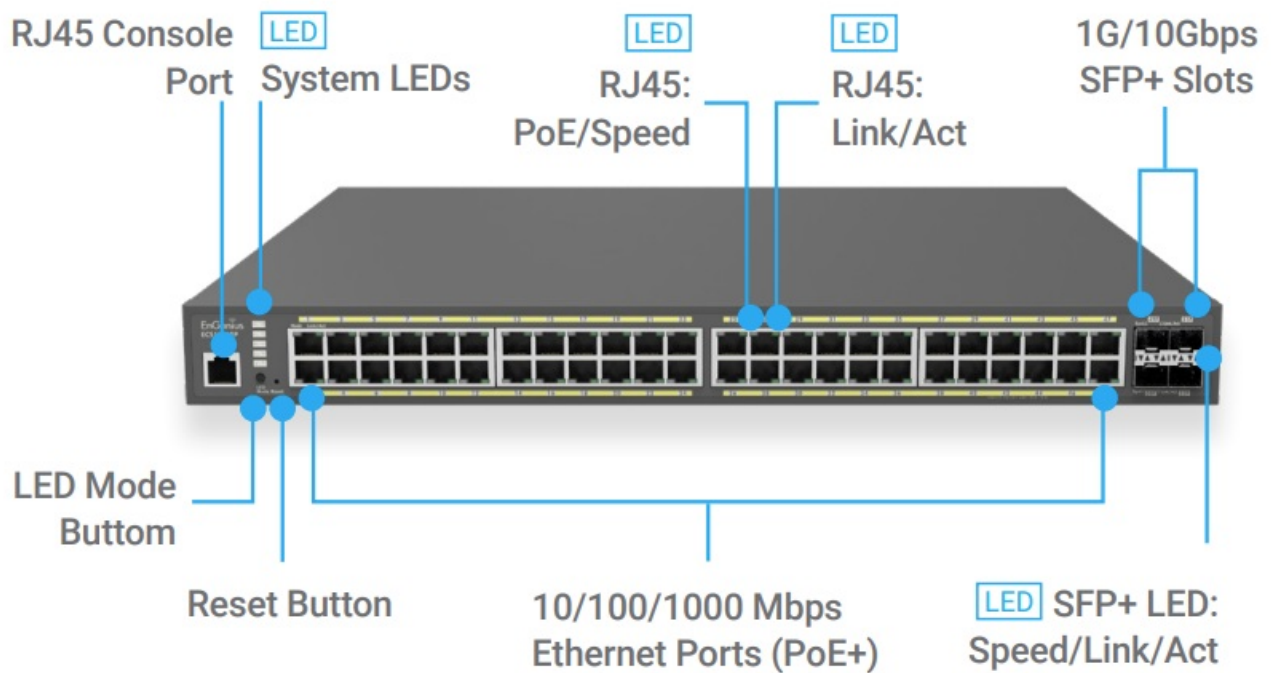


CloudSwitch L2Plus 48 PoE (ECS1552P)

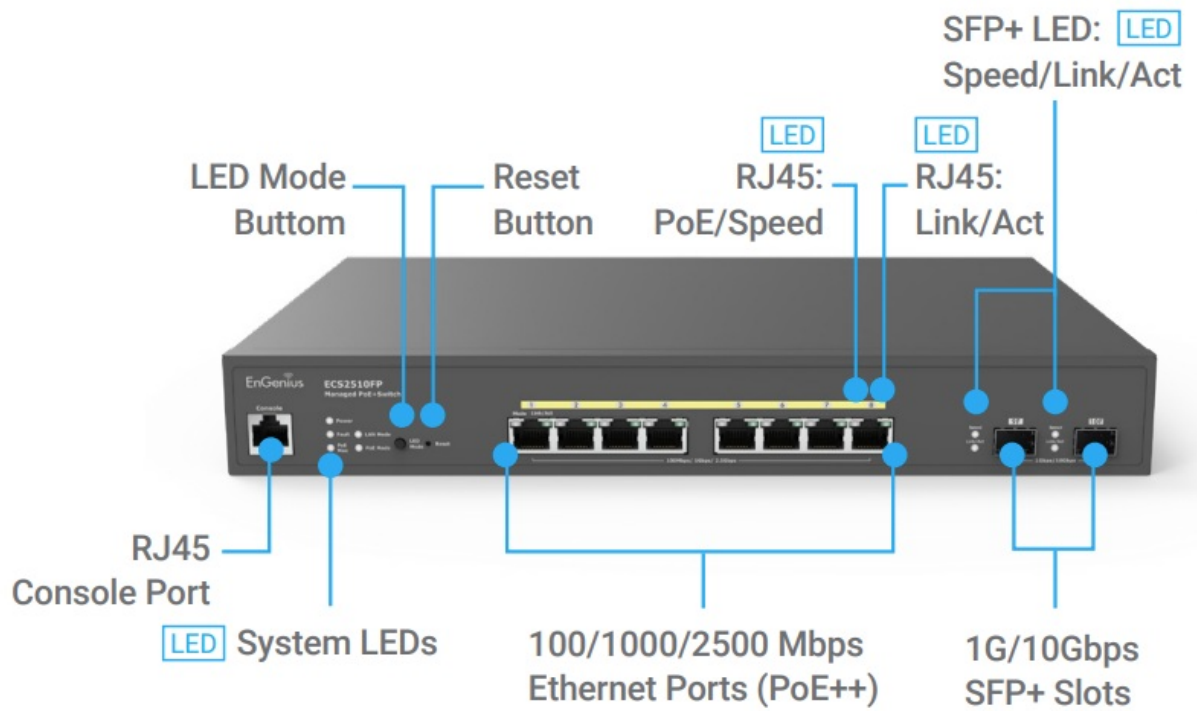




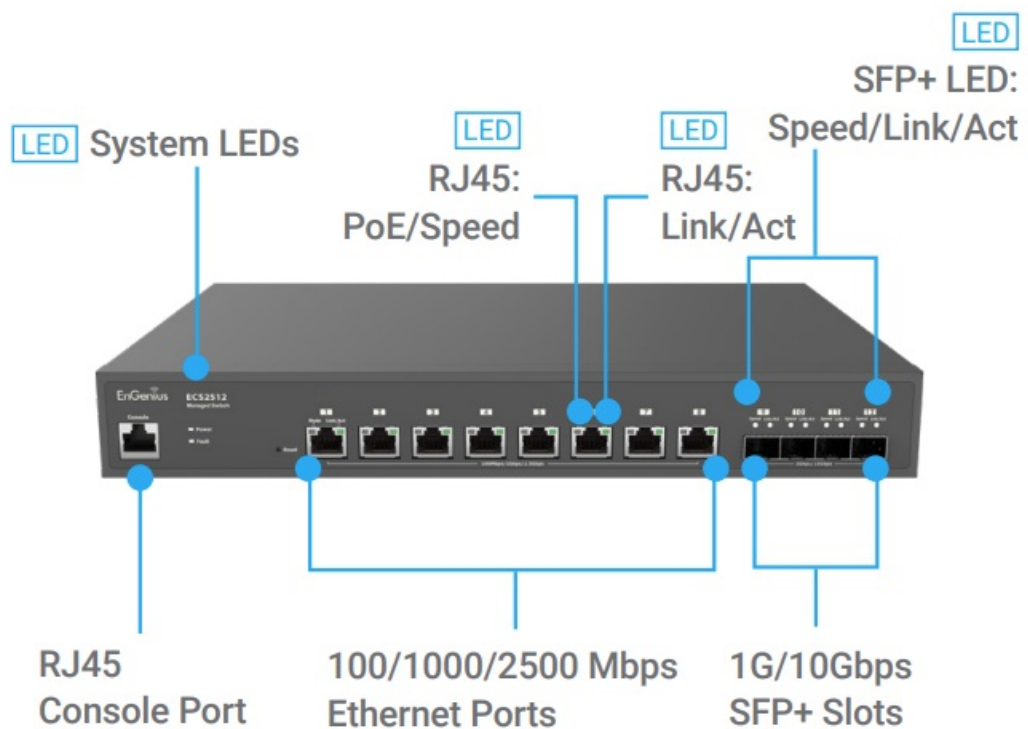
CloudSwitch L2Plus 48 Full PoE (ECS1552FP)



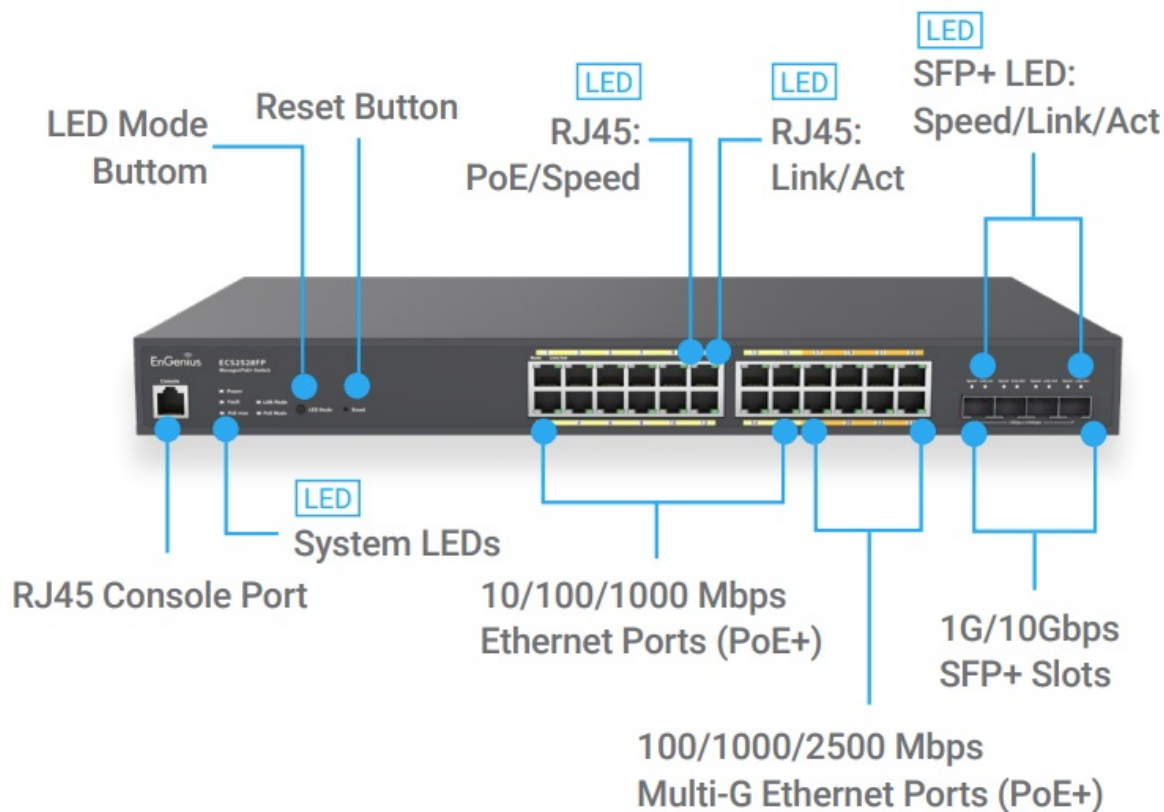
CloudSwitch MGPlus 8 Full PoE (ECS2510FP)



CloudSwitch MGPlus 8 (ECS2512)

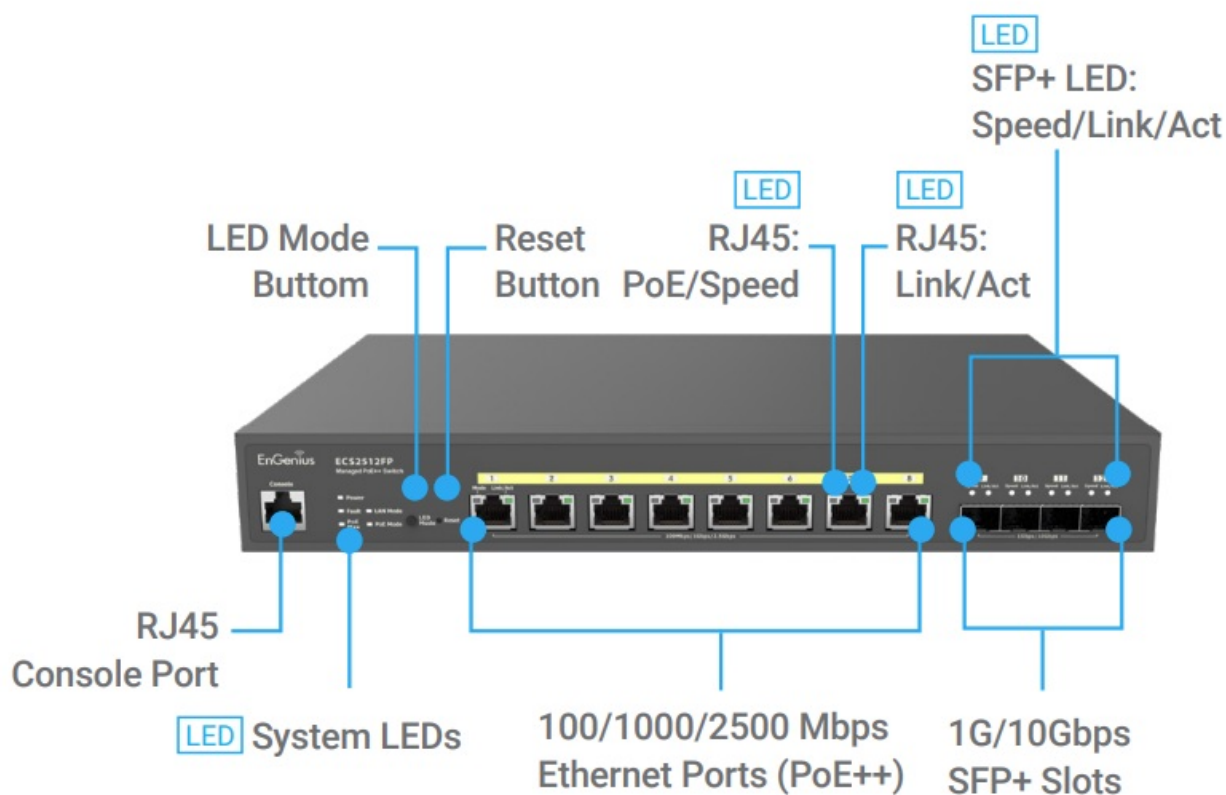


CloudSwitch MGPlus 24 Full PoE (ECS2528FP)

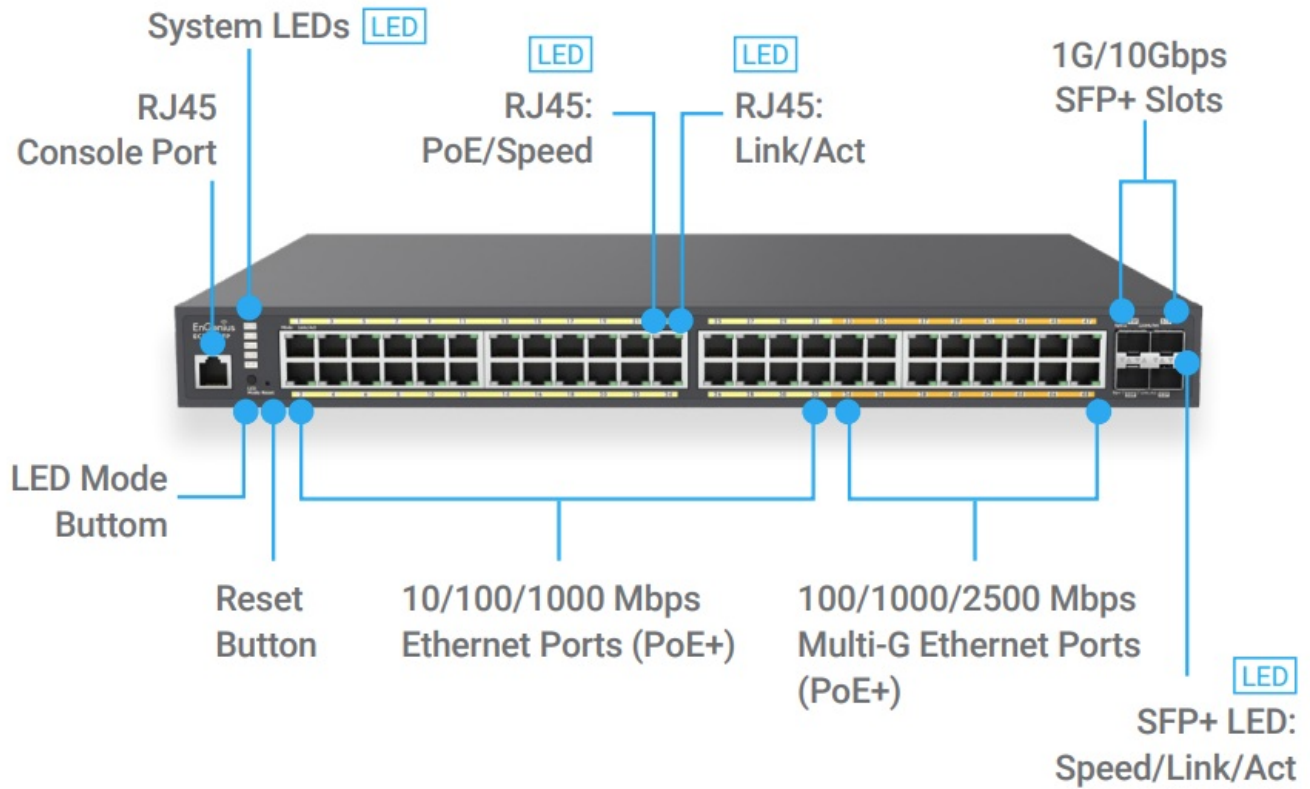


## Rackmount

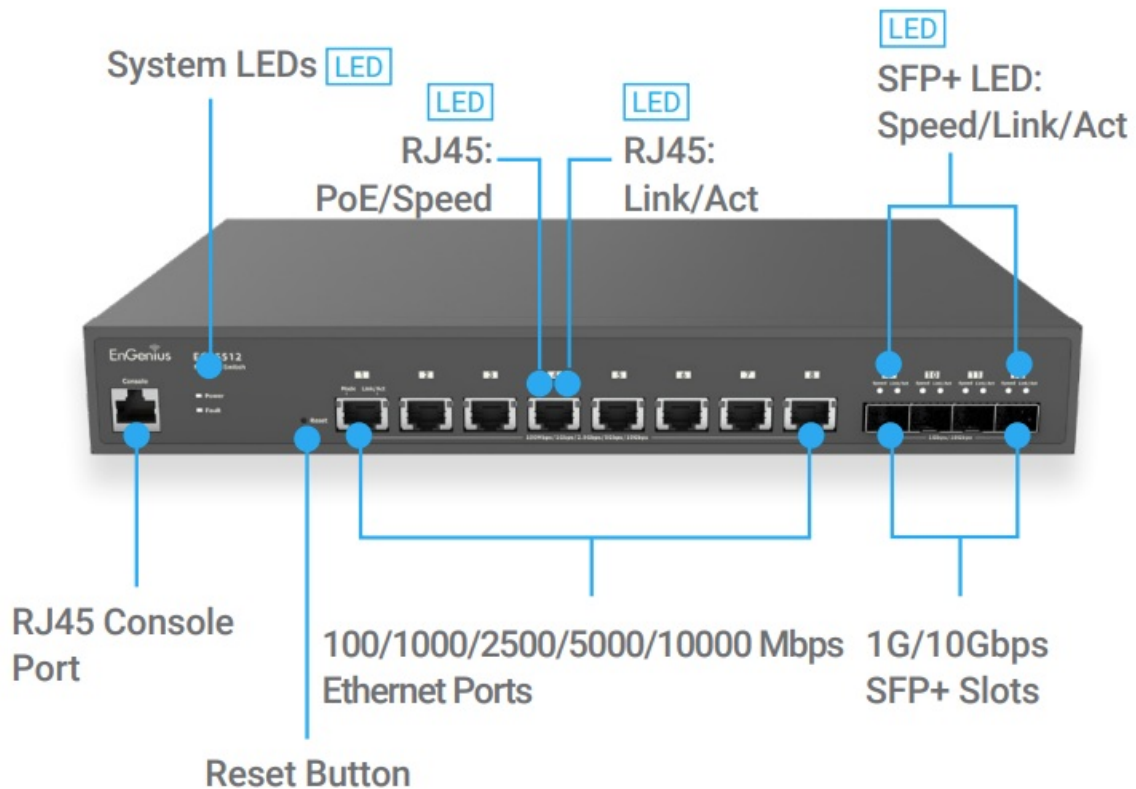
CloudSwitch MGPlus 8 Full PoE (ECS2512FP)



CloudSwitch MGPlus 48 Full PoE (ECS2552FP)

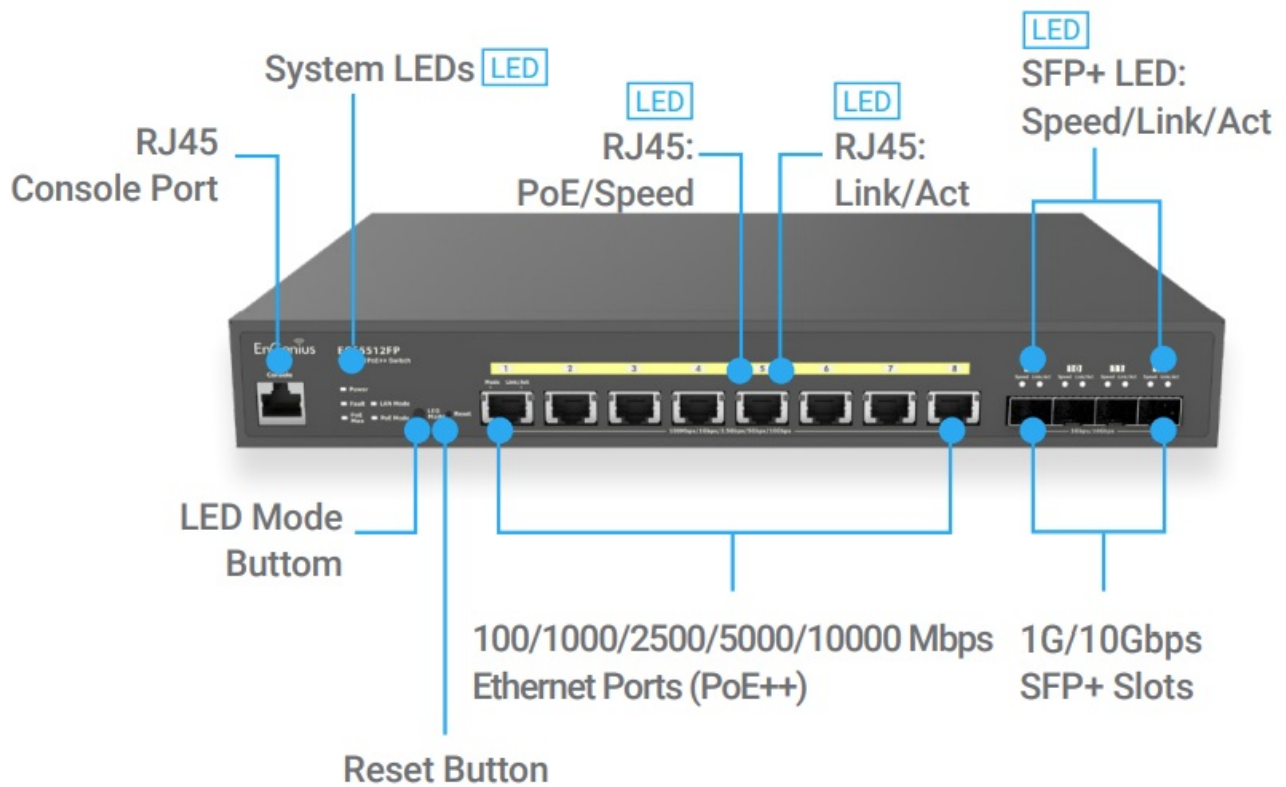


CloudSwitch Aggregate 8XG (ECS5512)

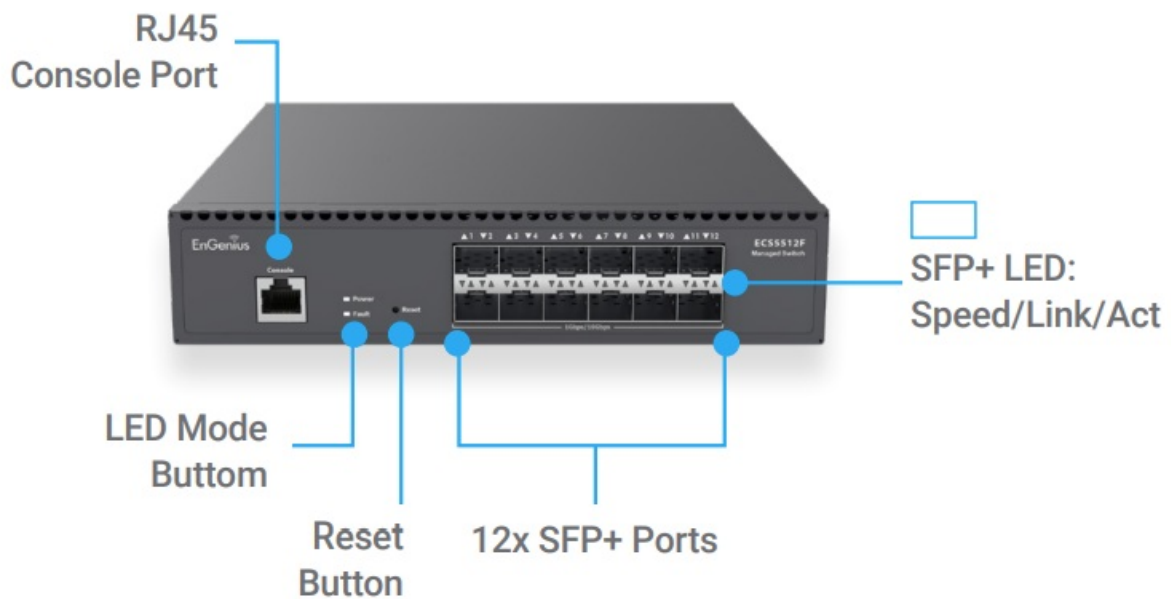


## Rackmount

CloudSwitch Aggregate 8XG Full PoE (ECS5512FP)



CloudSwitch Aggregate 12 (ECS5512F)



### Network Configuration:

Customize your network configuration for optimal performance:

- Choose the appropriate port configuration based on your network requirements.
- Select management methods that suit your network setup for efficient monitoring and control.
- Utilize the SFP slots for high-speed connectivity over fiber for extended network reach.

### Security Setup:

Enhance network security with the following steps:



- Implement 802.1X port-based client authentication with dynamic VLANs.
- Set up Access Control Lists (ACLs) to control access to network segments.
- Create guest VLANs to provide limited Internet access for visitors while maintaining security.

### Monitoring and Maintenance:

Regularly monitor and maintain your EnGenius Switch for optimal performance:

- Set up event-based alerts to receive notifications for potential issues.
- Remotely power cycle individual ports as needed for troubleshooting.
- Update firmware and configurations to ensure the latest features and security protocols are in place.

### EnGenius Technologies

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### Frequently Asked Questions (FAQ):


**Q: Can the EnGenius Cloud-managed Switch Series be used in both small and mid-sized businesses?**

A: Yes, the EnGenius Switch Series is designed to provide enterprise-class features at affordable prices suitable for small and mid-sized businesses.

**Q: How can I receive notifications for potential network issues?**

A: You can set up event-based alerts and receive push notifications through the EnGenius Cloud To-Go app when issues arise.

### Documents / Resources

	<p><a href="#">EnGenius ECS5512F Cloud Managed Switch</a> [pdf] Instruction Manual ECS5512F Cloud Managed Switch, ECS5512F, Cloud Managed Switch, Managed Switch, Switch</p>
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### References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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