



- 24 ports 10/100/1000Mbps with 4 Port SFP and 4 Gigabit Uplink PoE switch
- Fully IEEE802.3af/at standard compliant.
- The Max. PoE output for each port is up to 30W
- Supports PoE power up to 450W for all PoE ports
- Safe and reliable power to most of PoE end devices

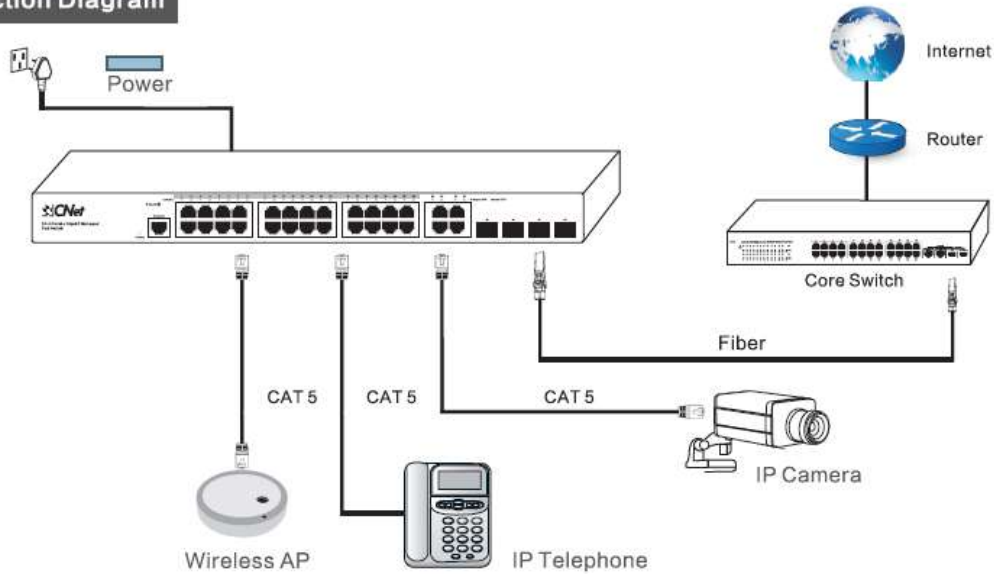
### **24 Port Gigabit L3 Managed PoE Switch with 4 Port SFP and 4 Port Gigabit Combo Uplink**

#### **Overview**

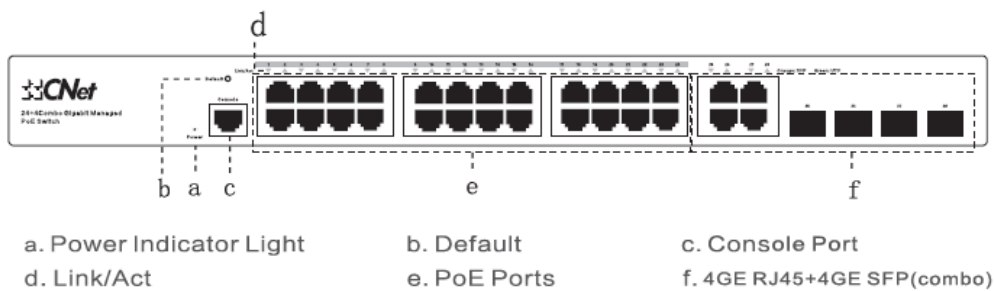
24 ports 10/100/1000Mbps with 4 ports Gigabit Uplink and 4 Port SFP PoE Switch, PoE switch provides power and data from a single point, using Power over Ethernet (PoE) over a single Cat-5 cable. Each RJ45 port supports MDI/MDIX auto-flip and wire-speed forwarding. It can be used for any 10/100/1000Mbps link and 24 PoE ports can supply standard IEEE 802.3af/at power. Advanced auto-sensing algorithm gives power to 802.3af/at end devices. In addition, the PoE switch automatically determines PoE requirements, speed, and duplex. Easy to operate and reliable.

Provide comprehensive security protection system, perfect QoS policy and flexible VLAN function, simple management and maintenance, meet the access and networking requirements of enterprises, communities, hotels, office networks and campus networks, suitable for hotels, campuses, factory quarters and middle schools. Small businesses form a cost-effective network. Supports the SmartLink power management function, which enables the PoE port priority mechanism to be powered off when the system is overloaded, cuts off the power supply of the port with the lower priority and lower priority, ensures that the critical equipment is preferentially powered, and the switch is overloaded run to protect the switch.

**Introduction Diagram**



**Panel Diagram**



**LED definition**

Panel	Color	Status	Indication
PWR	Green	ON	Normal
		OFF	Abnormal
Link/Act	Green or Orange	ON(green)	Connected with PoE devices
		ON(orange)	Connected with SFP devices
		Blink(green)	Transmitting data
		OFF	Abnormal

**Default Web Access Information**

IP Address : 192.168.1.1

Username : admin

Password : admin

## Specifications

Hardware Features		
<b>Model</b>	CGS-24x4SFW	
<b>Ports Description</b>	<b>POE Port</b>	Port 1-24 : Gigabit Auto-Negotiation RJ45
	<b>Uplink Port</b>	Port 25-28 : Gigabit Auto-Negotiation RJ45
		Port 29-32 : Gigabit SFP Ports Combo
	<b>MAX Poe Output</b>	30W
<b>POE Power</b>	<b>Total Power Consumption</b>	450W
	<b>Poe Port Priority</b>	Support
<b>LED Indicators</b>	PWR、Link/Act	
<b>Processing Types</b>	Store And Forward	
<b>Transmission Model</b>	IEEE802.3X Full-Duplex And Backpressure Half-Duplex	
<b>Performance</b>	<b>Backplane Bandwidth</b>	56Gbps
	<b>Packet Forwarding Rate</b>	41.7Mpps
	<b>MAC Address</b>	16K
<b>Network Standard</b>	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000 BASE-TX	
	IEEE802.3z 1000 BASE-X	
	IEEE802.3x Flow Control	
	IEEE802.1p	
	IEEE802.1x	
	IEEE802.1d	
	IEEE802.1s	
	IEEE802.3az EEE	
	IEEE802.3af Power Over Ethernet	
	IEEE802.3at Power Over Ethernet	
<b>Input Voltage</b>	AC 100~240V 50/60Hz	
<b>Dimension</b>	440mm(L) * 285mm(W) *44mm(H)	
<b>Cable Requirements</b>	UTP Cat5 or Above	

<b>Environment</b>	<i>Operating Temperature</i> : -10°C~45°C
	<i>Storage Temperature</i> : -20°C~70°C
	<i>Operating Humidity</i> : 10%~90%
	<i>Storage Humidity</i> : 5%~95%
<b>Software Features</b>	
<b>Hardware WatchDog</b>	Support
<b>L3 Functions</b>	Static Routing
	RIP v1, v2
	IGMP v1,
	OSPF
	ARP Proxy
<b>PoE Management</b>	PoE total power setting
	Single port poe power setting
	Port PoE power supply priority setting
	Custom PoE power supply time
<b>Loop Protection</b>	Loop detection
	ERPS ring network protection
	50s loop self-healing
	BPDU protection, root protection and loopback protection
<b>Link Aggregation</b>	Link aggregation (LACP),
	Static aggregation , dynamic aggregation
	Up to 8 aggregation groups
	Load method based on Source Port, IP, MAC, IP Port,
	Destination Port, IP, IP Port, MAC
<b>Spanning Tree (STP)</b>	STP (IEEE 802.1d)
	RSTP (IEEE 802.1w)
	MSTP (IEEE 802.1s)
<b>DHCP</b>	DHCP Server
	DHCP Snooping
	DHCP Option82

<b>VLAN</b>	4K VLAN's
	802.1Q VLAN
<b>Safety Features</b>	User level management and password protection
	Port number, IP and MAC Address restriction on user access
	HTTPS, SSH v1 /v2, SSL v1/v2
	IP-MAC-PORT- VLAN Binding
	ARP Protection, IP Source Protection, Dos Protection
	DHCP snooping and DHCP attacks protection
	802.1x authentication
	Port security and port isolation
<b>Access Control</b>	L2~L4 packet filtering function
	Port mirroring, port redirection, flow rate limitig, QoS re-marking
<b>QoS</b>	8 port queue
	Port priority, 802.1p priority, DSCP priority
	SP, WRR, SP+WRR Equ priority scheduling algorithm
<b>Multicast</b>	Fast leave mechanism
	Static multicast group, dynamic multicast group
	Multicast filtering, packet statistics and unknow multicast discard
<b>Management and Maintenance</b>	Web Management (HTTP, HTTPS, SSL v3, TLS v1
	CLI (Telnet, SSH v1/v2, local serial port)
	SNMP (SNMP v1/v2/v3 compatible with public MIBS
	LLDP, RMON
	NTP
	CPU and Memory Monitoring
	System Log, hierarchical warning, remote log server
	Port alarm
	HTTP software upgrade, configuration management