



- 48 ports 10/100/1000Mbps with 4 Port 10G SFP 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

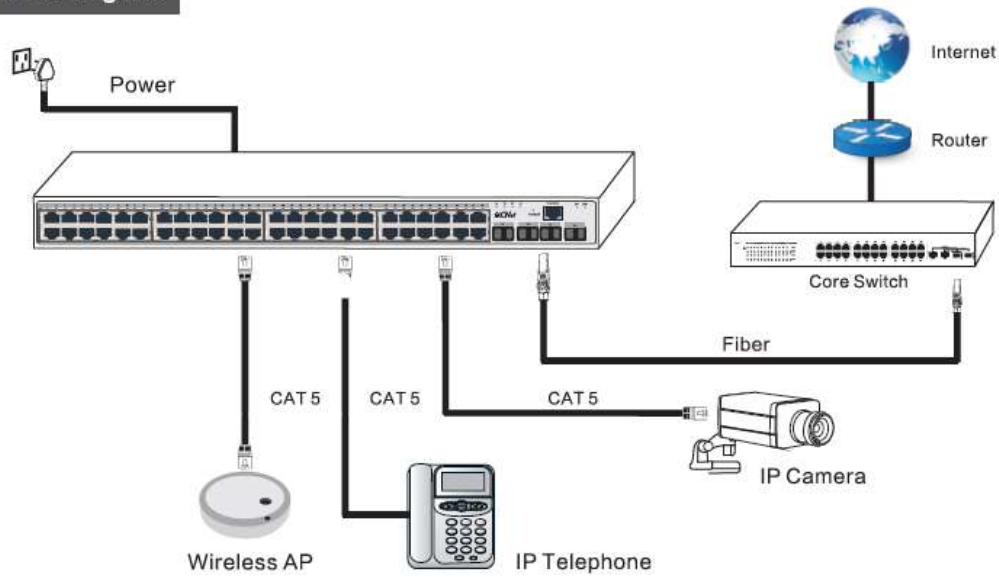
48 Port Gigabit 4 Port 10G SFP L3 Managed PoE Switch

Overview

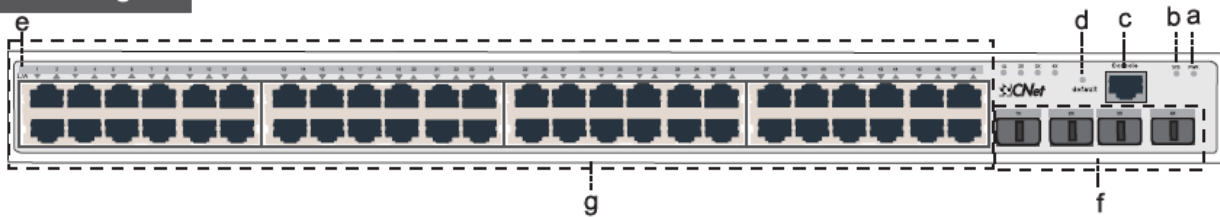
48 ports 10/100/1000Mbps with 4 ports 10G SFP PoE Switch, PoE switch provides power and data from a single point, using Power over Ethernet (PoE) over a single Cat-5 cable. Each RJ45 port supports MDI/MDIX auto-flip and wire-speed forwarding. It can be used for any 10/100/1000Mbps link and 48 PoE ports 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



- a.Power: Power Indicator b.SYS: System Working Indicator c.Console Port
- d.Default e.L/A: Port Link/activity Indicator f.Uplink Port-1X~4X Port: 10G SFP+
- g.PoE Port -1~48 Port: 10/100/1000M RJ45 Port(PoE Ports)

LED definition

Panel	Color	Status	Indication
PWR	Green	ON	Normal
		OFF	Abnormal
SYS	Green	Blink	Normal
		ON or OFF	Abnormal
Link/Act	Green	ON	Connected with fast IP devices
		Blink	Transmitting data
		OFF	Abnormal

Default Web Access Information

IP Address : 192.168.1.1

Username : admin

Password : admin

Specifications

Hardware Features		
Model	CGS-48x4MSFP	
Ports Description	POE Port	Port 1-48 : Gigabit Auto-Negotiation RJ45
	Uplink Port	Port 1x – 4x : 10G SFP+
	MAX Poe Output	30W
POE Power	Total Power Consumption	450W
	Poe Port Priority	Support
LED Indicators	PWR、 Link/Act	
Processing Types	Store And Forward	
Transmission Model	IEEE802.3X Full-Duplex And Backpressure Half-Duplex	
Performance	Backplane Bandwidth	176Gbps
	Packet Forwarding Rate	131Mpps
	MAC Address	32K
Network Standard	IEEE802.3i	
	IEEE802.3u	
	IEEE802.3ab	
	IEEE802.3az	
	IEEE802.3ad	
	IEEE802.3x	
	IEEE802.1p	
	IEEE802.1q	
	IEEE802.1d	
	IEEE802.3w	
	IEEE802.3af Power Over Ethernet	
	IEEE802.3at Power Over Ethernet	
Input Voltage	AC 100~240V 50/60Hz	
Dimension	440mm(L) * 360mm(W) *44mm(H)	
Cable Requirements	UTP Cat5 or Above	

Environment	<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%
Software Features	
L3 Functions	Wire-Speed IP forwarding
	Static Routing
	IGMP
	DHCP Server / Relay
	ARP Proxy
VLAN	Support 4K VLAN
	802.3Q VLAN
MAC Address Table	Comply the IEEE 802.1d standart
	MAC Adress learning and aging automatically static, dynamic, filter address table
Link Aggregation	Link aggregation (LACP),
	Static aggregation , dynamic aggregation
	IP, MAC and Hybrid load balancing modes
	Support up to 32 aggregation groups
Spanning Tree (STP)	Support loop protection
	Support root protection
	TC Protection
	BPDU Protection
	BPDU Filtering
Security	IP-MAC-Port Binding
	802.1x and Radius Authantication
	Dos Defend
	Dynamic ARP Inspection
	SSH v1/v2
	Port Security
	Broadcast, Multicast and Unknow unicast strom control

PoE Management	PoE Power Limit
	PoE Port Priority Setting
	PoE Power Supply Time Period Setting
Access Control	L2~L4 packet filtering function
	Port mirroring, port redirection, flow rate limitig, QoS re-marking
QoS	8 port queue
	Port priority, 802.1p priority, DSCP priority
	SP, WRR, SP+WRR Equ priority scheduling algorithm
Multicast	Fast leave mechanism
	IGMP v1/v2 Snooping
	Multicast VLAN
	Multicast filtering, packet statistics and unknow multicast discard
Loop Protection	ERPS
Management and Maintenance	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)
	RMON (1,2,3,9 groups)
	DHCP Relay / Snooping / Option82
	CPU and Memory Monitoring
	Syslog
	Username password modification
HTTP software upgrade, configuration management	