Cablexa
RELIABLE CONNECTIVITY

EXCLUSIVE 2 YEAR WARRANTY

8-Port 10/100/1000Mbps Managed PoE Switch with 2 Gigabit SFP Uplink

802.1Q VLAN **MSTP RSTP** **IPv6/IPv4 ACL/QoS**

FMC-8GP2GF

Key Features:

Ports: Provide 8*10/100/1000Mbps PoE ports and 2*100/1000Mbps SFP Uplink,1Console port
PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
Total Power: Total power budget of 120W and 30W for all singe PoE ports
Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
Managed: Support remote web managed,VLAN and storm control and IPV6 managementl etc.
Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc
Surge protection: Protect the device from lighting surges and others electrical hazards
Considerate Design: Desktop installation with fanless design
Easy to use: Plug and play, No configuration required

Versatile PoE Port

Featuring 8* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 2* 100/1000Mbps SFP Uplink. the **Cablexa USA** PoE switch provides Maximun power budget of 200W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured

802.3at 30W — Door Phone, PTZ Camera, 11.ac WiFi-AP, IP Speaker

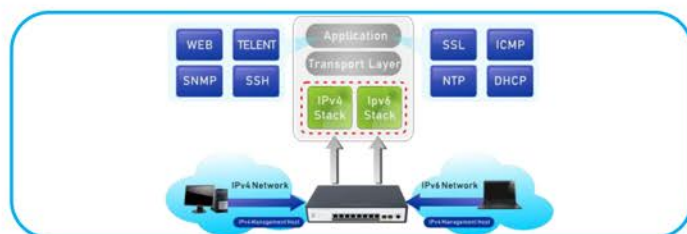802.3af 15.4W — IP Phone, IP Camera, SOHO WiFi-AP

Cost-effective IPv6 Managed Gigabit PoE Switch Solution

With layer 2+ managed Gigabit PoE Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.

Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering more reliable performance even in some harsh environments.

2 Gigabit SFP Uplink Port

With 2 SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

Technical Datasheet

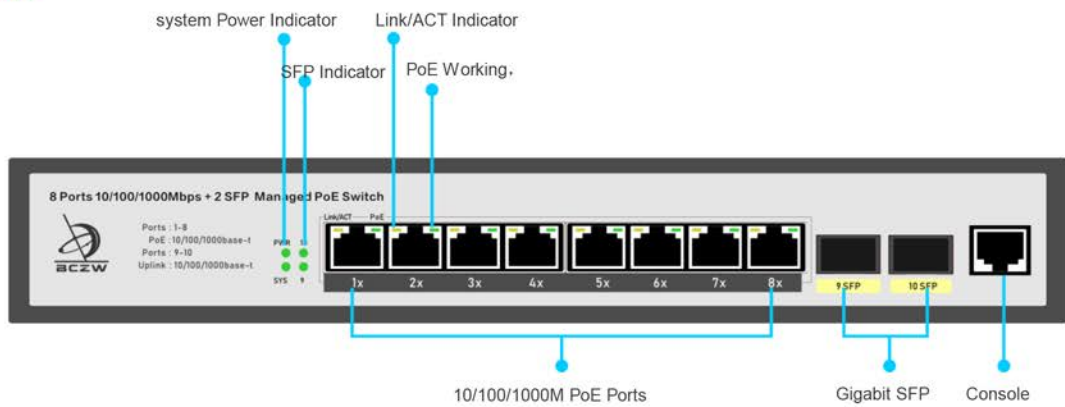| Model	FMC-8GP2GF	
Hardware Specifications		
Connector	8 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2 1000 Base-X SFP Slots 1 Console port	
PoE Port	8 10/100/1000Mbps POE PSE port	
SFP	Singe fiber/Dual fiber supported. Distance vary the module	
Thermal Fan	Fanless Design	
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	32Gbps
	Packet forwarding rate	14.88Mpps
	MAC address	8k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	310mm x 180mm x 44.5mm(12.2in x 7.09in x 1.75in)	
Weight	1.4kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	120W	
Layer 2 Functions		
Port Mirroring	TX / RX / both Many-to-1 monitor	
Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP	
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk	
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol	

	RSTP, IEEE 802.1w Rapid Spanning Tree Protocol
	MSTP, IEEE 802.1s Multiple Spanning Tree Protocol
IGMP Snooping	IGMP (v2/v3) snooping
	IGMP querier
	Up to 256 multicast groups
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL
PoE Management	Open or close port Standard POE scheduling management Power and current display Automatic restarting function of equipment dead machine Timing Support IP bindings restarting
QoS	8 mapping ID to 8 level priority queues
	--- Port number
	--- 802.1p priority
	--- 802.1Q VLAN tag
	--- DSCP field in IP packet
	Traffic classification based, strict priority and WRR
Security	IEEE 802.1X port-based authentication
	Built-in RADIUS client to co-operate with RADIUS server
	RADIUS / TACACS+ user access authentication
	IP-MAC port binding
	MAC filtering
	Static MAC address
	DHCP Snooping and DHCP Option82
	STP BPDU guard, BPDU filtering and BPDU forwarding
	DoS attack prevention
	ARP inspection
	IP source guard

Management Function

Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3
	Firmware upgrade by HTTP / TFTP protocol through Ethernet network
	Remote / Local Syslog,System log,LLDP protocol ,SNTP
Secure Management Interfaces	SSH, SSL, SNMP
SNMP MIBs	RFC 1213 MIB-II
	RFC 1215 Generic Traps
	RFC 1493 Bridge MIB
	RFC 2674 Bridge MIB Extensions
	RFC 2737 Entity MIB (Version 2)
	RFC 2819 RMON (1, 2, 3, 9)
	RFC 2863 Interface Group MIB
	RFC 3635 Ethernet-like MIB

Environment

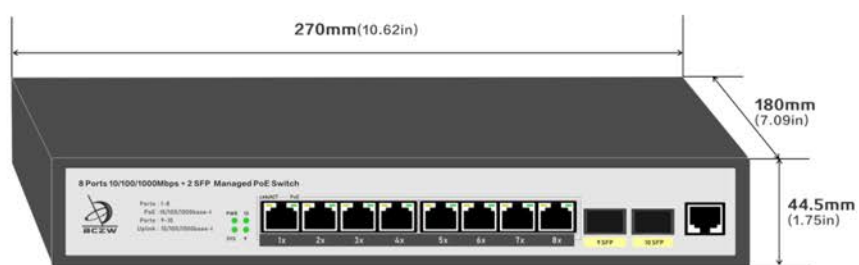|	
Safety	FCC Part15 Class A,CE.RoHs
Environment specification	Operating temperature: -20℃~55℃，operating humidity: 5％~95％
	Storage temperature: -40℃~750℃，storage humidity: 5％~95％

FMC-8GP2GF

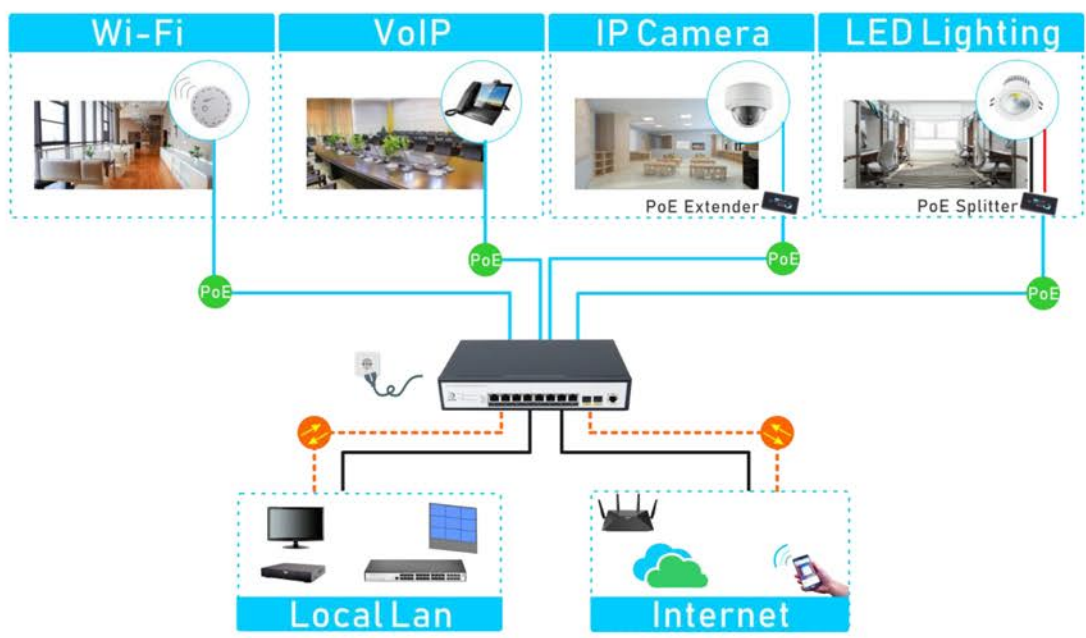8-Port 10/100/1000Mbps Managed PoE Switch with 2 Gigabit SFP Uplink

Interfaces

system Power Indicator   Link/ACT Indicator

SFP Indicator   PoE Working,

8 Ports 10/100/1000Mbps + 2 SFP Managed PoE Switch

Ports : 1-8
PoE : 10/100/1000base-t
Ports : 9-10
Uplink : 10/100/1000base-t

10/100/1000M PoE Ports   Gigabit SFP   Console

Structure Diagrams

270mm(10.62in)

180mm (7.09in)

44.5mm (1.75in)

Applications

| Wi-Fi | VoIP | IP Camera | LED Lighting |

PoE Extender   PoE Splitter

Local Lan   Internet

Ordering Information	
FMC-8GP2GF	8 Ports 10/100/1000Mbps managed PoE switch with 2 Gigabit SFP Uplink and 1 Console port,6KV surge protection,IEEE802.3af/at