

BC2224PGWM2F-300W

24-Port WEB Managed PoE+ Switch

With 2 Gigabit SFP Uplink

Datasheet



Key Features:

Ports: Provide 24*10/100/1000Mbps PoE ports and 2 *1.25Gbps SFP Uplink

PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant

Total Power: Total power budget of 300W and 30W for all single PoE ports

Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

Managed: Support simple web managed, VLAN, Qos, PoE, STP, Bandwidth Control and etc.

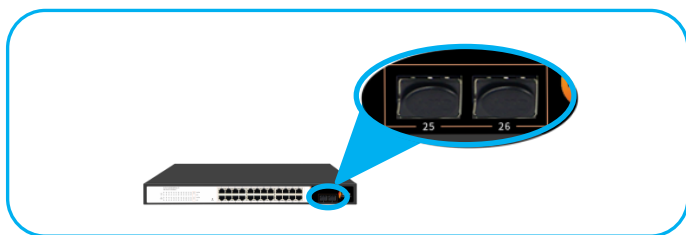
Wide Application: Designed for Wifi AP and IP Security camera, VoIP etc

Surge protection: Protect the device from lightning surges and others electrical hazards

Considerate Design: Rack mount installation

Versatile PoE Port

Featuring 24* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 24*10/100/1000Mbps ports and 2 Gigabit SFP ports. The WEB managed PoE switch provides Maximum power budget of 300W and 30W for single PoE ports respectively, allowing users to have several different Networking products configured

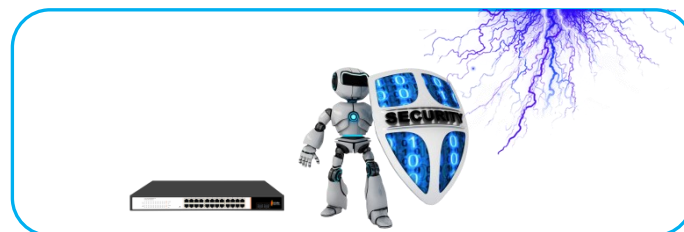


2 Gigabit SFP Uplink Port

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. Besides, the SFP can transmit the data with Max 100Km distance with more economic solution

Surge Protection Design

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



BC2224PGWM2F-300W

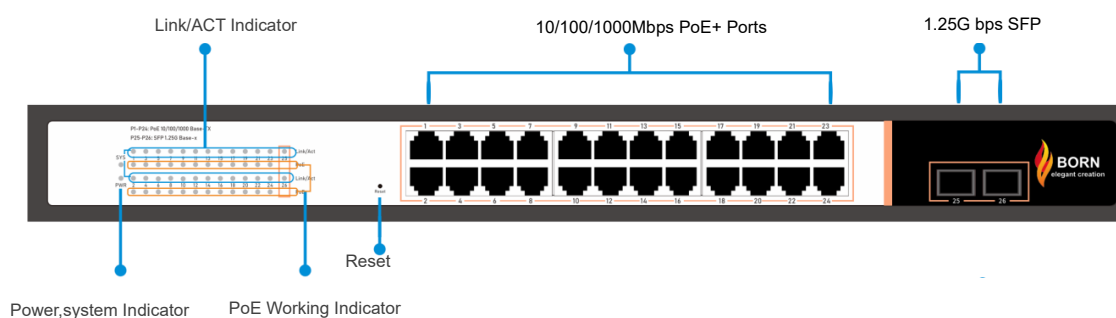
24-Port 10/100/1000Mbps WEB managed PoE Switch with 2 Gigabit SFP

Technical Datasheet

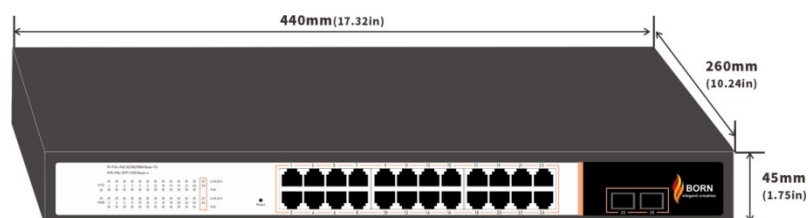
Model	BC2224PGWM2F-300W	
Hardware Specifications		
Connector	24* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports	
	2* 1000 Base-X SFP Slots	
PoE Port	24* 10/100/1000Mbps POE PSE port	
SFP	Singe fiber/Dual fiber supported. Distance vary the module	
Thermal Fan	2 Fans Design	
LED indicators	Power Indicator: PWR(green).	
	Network Indicator: Link(green)	
	PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	56Gbps
	Packet forwarding rate	38.69Mpps
	MAC address	8k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	440mm x 260mm x 45mm(17.32in x 10.24in x 1.77in)	
Weight	4.2kg	
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	300W	
Layer 2 Functions		
Vlan	802.1Q tagged-based VLAN	
	Up to 26 VLAN groups	
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol	
	RSTP, IEEE 802.1w Rapid Spanning Tree Protocol	
IGMP	IGMP snooping	
Loopback detection	Support	
Bandwidth Control	16-1000000 (Kbit/sec), multiple of 16	

PoE Management	Open or close port Standard POE scheduling management Power and current display
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority
Security	IEEE 802.1X port-based authentication Static MAC address Storm Control
Management Function	
Basic Management Interfaces	Web browser / SNMP v1, v2c Firmware upgrade by HTTP protocol through Ethernet network
Secure Management Interfaces	SNMP
Environment	
Safety	FCC Part15 Class A,CE,RoHs
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity: 5%~95%

Interfaces



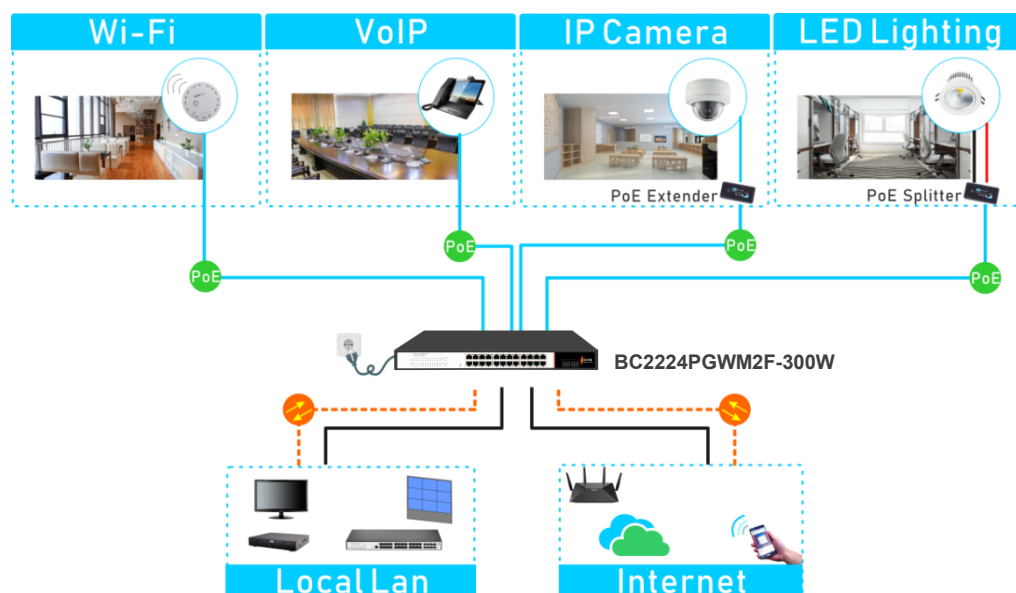
Structure Diagrams



BC2224PGWM2F-300W

24-Port 10/100/1000Mbps WEB managed PoE Switch with 2 Gigabit SFP

Applications



Ordering Information

BC2224PGWM2F-300W

24 Ports 10/100/1000Mbps WEB managed PoE switch with 2 gigabit SFP , 6KV surge protection,IEEE802.3af/at



337 Forest Road
London, United Kingdom



Info@bornelectronics.com



+44 7859 571344



<https://bornelectronics.com>