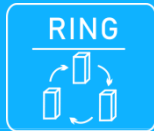
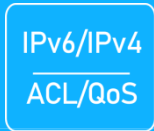




24-Port SFP Layer 3 Managed SFP switch with 8 Gigabit Combo and 4\*10G SFP+ Uplink



BC3208GMC24F4T

## Key Features:

**Chip:**Broadcom

**Ports:** Provide 24\*Gigabit SFP with 8\*10/100/1000Mbps Ethernet ports and 4\*10G SFP+ Uplink

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

**Fiber Port:**24\* 1000Mbps SFP and 4\*10G SFP+

**Software:** VLAN, Spanning Tree, Link Aggregation, Port Mirroring, Ring Protection, IP Routing(Static Routing, OSPF, RIP), Multicast, Storm Suppression, DHCP, QOS

**Managed:** Support remote web managed,VLAN and storm control and IPV6 management etc.

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

**Installation:** Rack mount

## Layer 3 Managed Switch

BC3208GMC24F4T series switches are L3 10G Switches based on new generation of high-performance hardware. It provides a large capacity, high-density gigabit interfaces,and 10G SFP uplink interfaces. With extensive service features and IPv6 forwarding capabilities, supports Static Routing, RIP and OSPF ,the BC3208GMC24F4T series switches is applicable to various scenarios. For example, it can be used as an access or aggregation switch on campus networks or an access switch in data centers. The BC3208GMC24F4T series switches integrates many advanced technologies in terms of reliability, security, and energy saving. It employs simple and convenient means of installation and maintenance to reduce customers' OAM cost and help enterprise customers build a next-generation IT network.

## Comprehensive QoS policies and security mechanisms

The BC3208GMC24F4T supports strict ARP learning, which prevents ARP spoofing attacks that exhaust ARP entries,The BC3208GMC24F4T also provides IP source guard to prevent DoS attacks caused by MAC address spoofing, IP address spoofing, and MAC/IP spoofing.

The BC3208GMC24F4T supports DHCP snooping, which generates user binding entries based on users' access interfaces, MAC addresses, IP addresses, IP address leases, and VLAN IDs. DHCP snooping discards invalid packets that do not match any binding entries, such as ARP spoofing packets and IP spoofing packets.This prevents hackers from using ARP packets to initiate man-in-the-middle attacks on campus networks.The interface connected to a DHCP server can be configured as a trusted interface to protect

## Easy deployment and maintenance free

Supports SNMP v1/v2/v3 and provides flexible methods for managing devices. Users can manage the BC3208GMC24F4T using the CLI and Web NMS. Supports SSH2.0 and other encryption, which makes management much more secured. Supports LLDP protocol for simpler management.

# BC3208GMC24F4T

24 ports Gigabit SFP L3 Managed SFP Switch with 8 gigabit Combo and 4\*10G SFP+ Uplink

## Technical Datasheet

<b>Model</b>	<b>BC3208GMC24F4T</b>
<b>Hardware Specifications</b>	
Connector	24* 1000 Base-X SFP Slots 8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports Combo
Uplink port	4* 10G Base-X SFP+ Slots
Console	1 x RS232-to-RJ45 serial port (115200, 8, N, 1)
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) SFP: Green
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3x Flow Control IEEE802.3az EEE
Switch Architecture	Store and Forward
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex
Switch Performance	Backplane bandwidth: 720Gbps Packet forwarding rate: 252Mpps MAC address: 32k
Power requirement	AC100-240V 50/60Hz
ESD Protection	6KV ESD
Dimension(W x D x H)	440 x 290 x 44.5mm(17.32in x 11.42in x 1.75in)
Weight	<5kg
Environment	Operating temperature: -20℃~55℃, operating humidity: 5%~95% Storage temperature: -40℃~75℃, storage humidity: 5%~95%
Safety	FCC Part15 Class A,CE,RoHs

### Port configuration

Port auto-negotiation	Support
Port flow control	Support full duplex IEEE802.3x flow control Support Half-duplex back pressure flow control
Broadcast storm control	Support broadcast, multicast, DLF packet rate limit
Port Mirroring	Support
Port Isolation	Support
Port Self-loop Detection	Support
Link Aggregation	Support Supports up to 128 aggregation groups, each group supports up to 8 ports
Jumbo Frame	Jumbo packets up to 12K bytes
Redundant port	Support

### MAC configuration

MAC address table	16K
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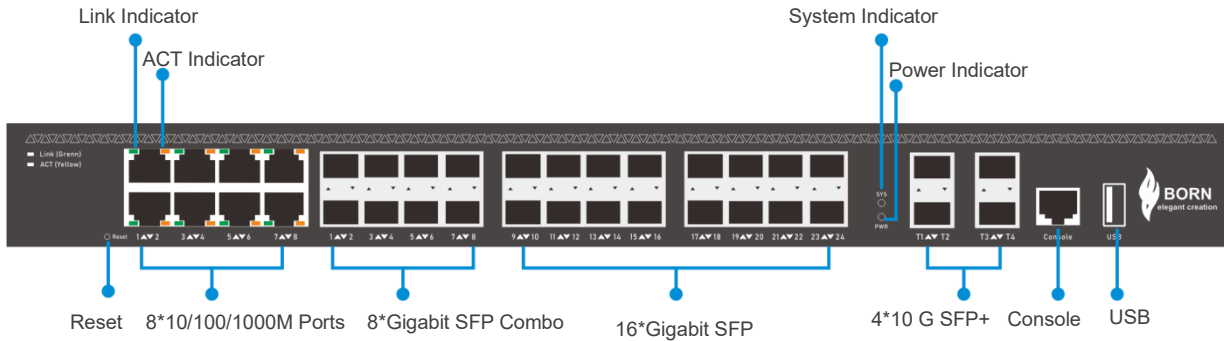
MAC address table management	Support
Static MAC address	Support.
MAC Address Binding	Support
MAC Address Filtering	Support
MAC Address Learning control	Control number of port-based MAC address learning
<b>VLAN configuration</b>	
Number of VLANs	4K
Port-based VLAN	Support
802.1q VLANs	Support
MAC-based VLAN	Support
IP-based VLAN	Support
Protocol-based VLAN	Support
Voice VLAN	Support
VLAN mapping	Support
QinQ	Support
<b>Reliability Protocol</b>	
Spanning Tree Protocol	Support STP/RSTP/MSTP
ERPS Protocol	Support G.8032/Y.1344
LLDP	Support LLDP&LLDP-MED
UDLP Protocol	Fully compatible with CISCO's UDLD protocol
<b>routing</b>	
ARP	Support static and dynamic ARP
Static routing	Support
VLAN interface	Support 32 VLAN interfaces
<b>L3 routing protocol</b>	
RIP	Support RIP v1/v2
OSPF	Support OSPF v2
Policy routing	Support
VRRP	Support
<b>Multicast functions and protocols</b>	
Static multicast MAC address	Support
IGMP SNOOPING	Support IGMP SNOOPING v1/v2/v3
MVR	Support
GMRP	Support
<b>ACL access control list</b>	
ACL based on standard IP	Support
ACL based on extended IP	Support
ACL based on MAC IP	Support
ACL based on MAC ARP	Support
ACL port filtering	Support
ACL based on time	Support
<b>QoS</b>	
Number of port queues	8
queue scheduling algorithms	Support WRR,SP
Classification based on port	Support
Classification based on 802.1p	Support
Classification based on DSCP	Support

Classification based on ACL	Support
QoS policy	Supports mapping of different data streams to different queues Support data stream to modify COS or DSCP value Support the speed limit of data stream Support data stream statistics Support data stream mirroring
<b>DHCP</b>	
DHCP Client	Support
DHCP Snooping	Support
DHCP Relay	Support
DHCP Server	Support
DHCP option 82	Support
<b>Security</b>	
ACL	Support Standard IP / Extend IP / MAC IP / ARP
Security Features	Support MAC-based 802.1X authentication Support AAA/RADIUS authentication Support WEB/Telnet password protection
Self-protection	Support CPU Self-protection.
<b>Management</b>	
CLI	Support CLI (Commend Line Interface) configuration mode
Console	Support Configuration via the console port
Telnet	Support Local/remote configuration via Telnet
WEB	Support WEB management system
SNMP	Support System configuration with SNMP v1/v2c
User Management	Support Multi-user management
System Log	Support
Configuration File Download/Upload	Support Download/Upload configuration File via WEB/TFTP/USB
Upgrade Firmware	Support Upgrade Firmware via WEB/TFTP
<b>Debug</b>	
PING	Support
TRACEROUTE	Support
Telnet client	Support

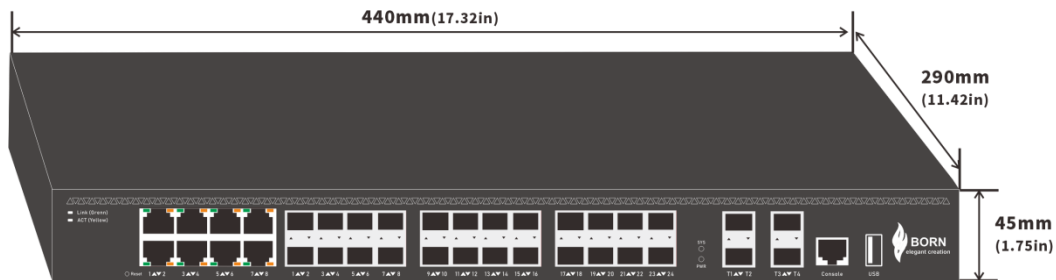
# BC3224F8GM4T

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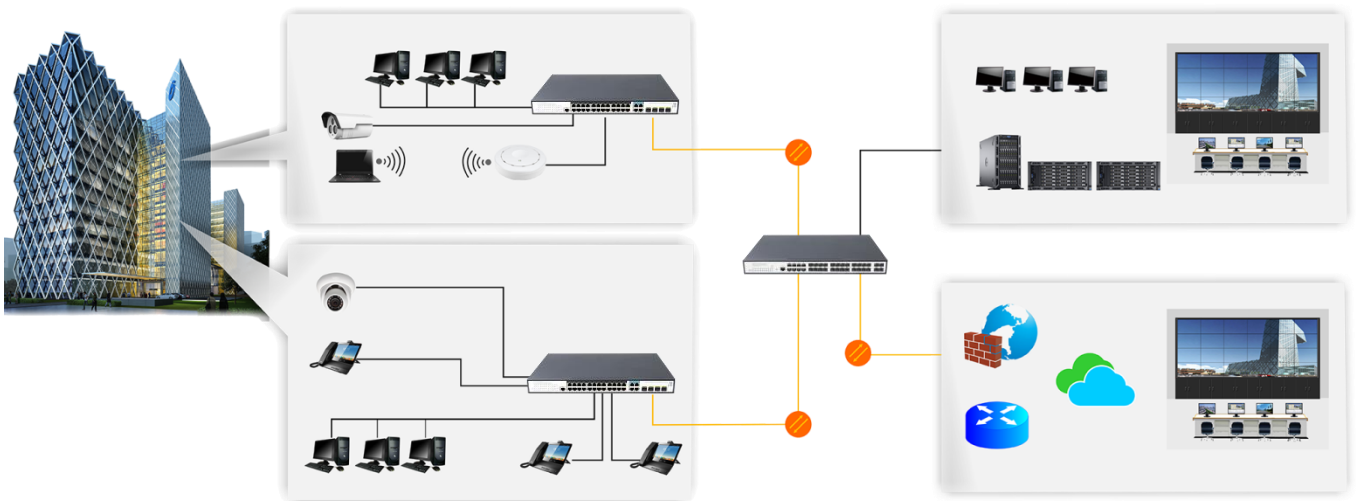
## Interfaces



## Structure Diagrams



## Applications



### Ordering Information

BC3208GMC24F4T

24 ports Gigabit SFP Layer 3 Managed SFP Switch with 8 gigabit RJ45 Combo and 4\*10G SFP+ Uplink, Rack mount.