



24-Port 10/100/1000Mbps

Managed Switch with 4\*1/10G

SFP+ Uplink

IPv6/IPv4  
ACL/QoS

MSTP  
RSTP

6KV  
Lightning Protection



BC3224GM4T

### Key Features:

**Ports:** Provide 24\*10/100/1000Mbps Ethernet ports with 4\*1/10G SFP+ Uplink

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

**Fiber Port:** 4\*1/10Gbps SFP+ Uplink

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

**Managed:** Support remote web managed,VLAN and storm control and IPV6 management etc.  
Layer3 Features, Static route, RIP, OSPF etc.

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

**Considerate Design:** Exquisite compact size.rack mount mounted

**Installation:** Rack mount with easy installation

### High performance switch with 4\*1/10G SFP+ Uplink

This 24 ports gigabit Switch provides a high-performance switch architecture that is capable of providing the non-blocking switch fabric and wire-speed throughput as high as 360Gbps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the Flow Control function of the switch enables routers and servers to directly connect to the Switch for fast and reliable data transfer.

All the RJ45 copper interfaces of the BC3224GM4T support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports standard for auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. With 4 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 transmitt the date with Max 100Km distance with more economic solution

### Cost-effective IPv6 Managed Gigabit Ethernet Switch Solution

With layer 3 managed Gigabit Ethernet 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 Ethernet ports owns the capacity to keep the Ethernet Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.

# BC3224GM4T

24 ports 10/100/1000Mbps Managed Ethernet Switch with 4\*1/10G SFP+ Uplink

## Technical Datasheet

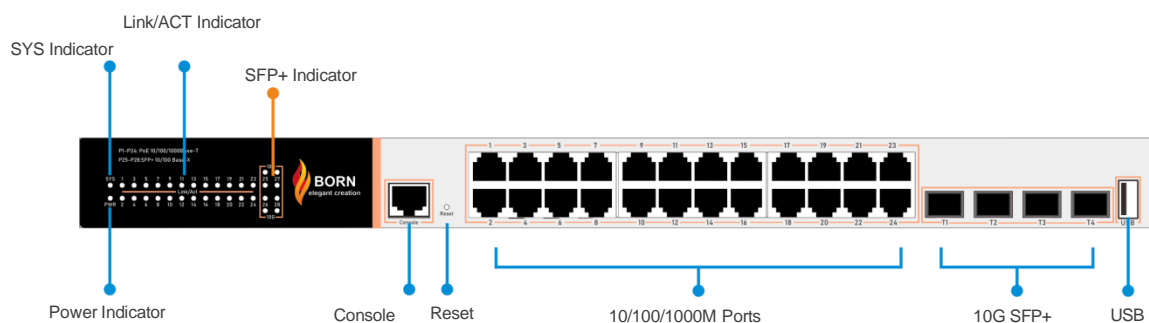
Model	BC3224GM4T	
Hardware Specifications		
Connector	24* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4* 1/10G Base-X SFP+ Slots	
Uplink port	4* 1/10G Base-X SFP+ Slots	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) SFP: Green	
Thermal Fan	Fanless Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3bz 10G 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	360Gbps
	Packet forwarding rate	126.67Mpps
	MAC address	32k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W x D x H)	440 x 180 x 44.5mm (17.32in x 7.09in x 1.75in)	
Weight	2.8kg	
Environment	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity: 5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	
Layer 3 Functions		
Layer 3 Features	IPV4/IPV6 VRRP, the maximum group is 255 IPV4/IPV6 static route/default route supports up to 128 entries IPV4 dynamic routing, RIPv1/v2, OSPFv2, 4000 routing entries IPV6 dynamic routing OSPFv3, RIPng, IPV6 management, 1000 routing entries L3 network management function, IPV4/IPV6 dual-stack management Layer 3 routing and forwarding, support communication between different network segments and different VLANs	
	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, SNMP
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

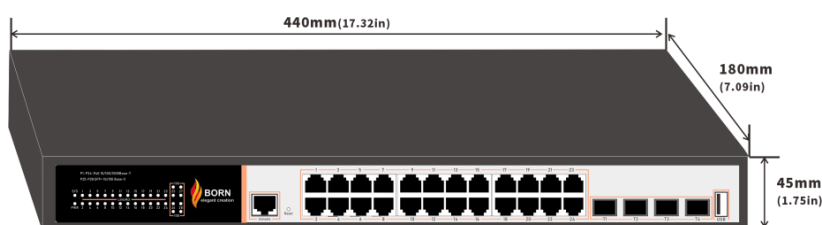
# BC3224GM4T

24 ports 10/100/1000Mbps Managed Ethernet Switch with 4 Ports 10G SFP+ Uplink

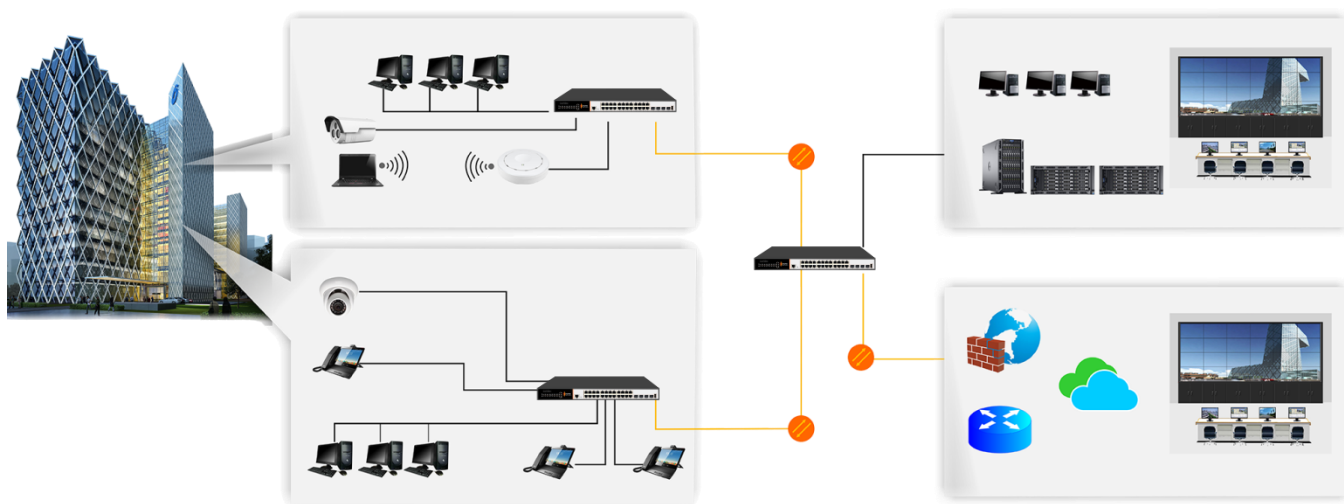
## Interfaces



## Structure Diagrams



## Applications



### Ordering Information

BC3224GM4T

24 Ports 10/100/1000Mbps L3 Managed switch with 4 Ports 10G SFP+ Uplink, 6KV surge protection