

BC3248GM4T

48Ports Gigabit Managed Switch



Key Features:

Ports: Provide 48*1000Mbps Ethernet ports with 4 Ports 10G SFP+ Uplink

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

Fiber Port: 4 Ports 10G 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.

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

Considerate Design: Rack mount installation

Easy to use: Plug and play, No configuration required

Installation: Rack mount with easy installation

Introducing a new Gigabit Managed Ethernet Switch for future-proof deployments

BC3248GM4T 48-Port Gigabit Web Smart L3 Ethernet Switch with 48 1000BASE-T ports and four 10G SFP+ slots,It delivers advanced management features with an 256Gbps switching capacity. The BC3248GM4Tis equipped with 1000BASE-T Ethernet ports that provide higher gigabit speeds capable of up to 1000Mbps over existing Cat5e or better cabling.

1000Mbps Capability for Diversified Bandwidth Applications

With the terminal access rates of 802.11ac wireless APs reaching as high as 1Gbps, Gigabit ports has been unable to satisfy the demand. Supporting 1Gbps capability, the BC3248GM4T can deliver not only data to 802.11ac wireless AP and IP cameras.

10 Gbps SFP Ports Optimize Network Performance

The BC3248GM4T provides greater bandwidth and powerful processing capacity. It offers a maximum 40Gbps uplink bandwidth through the Four 10Gbps SFP+ ports. In addition, the administrator can flexibly choose the suitable SFP/SFP+ transceiver according to the transmission distance or the transmission speed required to extend the network efficiently.

Cost-effective IPv6 Managed Gigabit Ethernet Switch Solution

With layer 2+ 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.

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Technical Datasheet

Model	BC3248GM4T	
Hardware Specifications		
Connector	48 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4 10G Base-X SFP+ Slots Uplink 1 Console port	
Uplink port	4 10G Base-X SFP+ Slots	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) POE: Orange SFP: Green	
Thermal Fan	2 Fans	
Network Standard	IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z 1000BASE-SX/LX IEEE 802.3ab 1000BASE-T IEEE 802.3ae 10Gb/s Ethernet IEEE 802.3x flow control and back pressure IEEE802.3az EEE	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	256Gbps
	Packet forwarding rate	232Mpps
	MAC address	32k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension	440mm x 290mm x 44.5mm(17.32in x 11.42in x 1.75in)	
Weight	kg	
Environment	Operating temperature: -20℃~55℃, operating humidity: 5%~95% Storage temperature: -40℃~75℃, storage humidity: 5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	

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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

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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

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

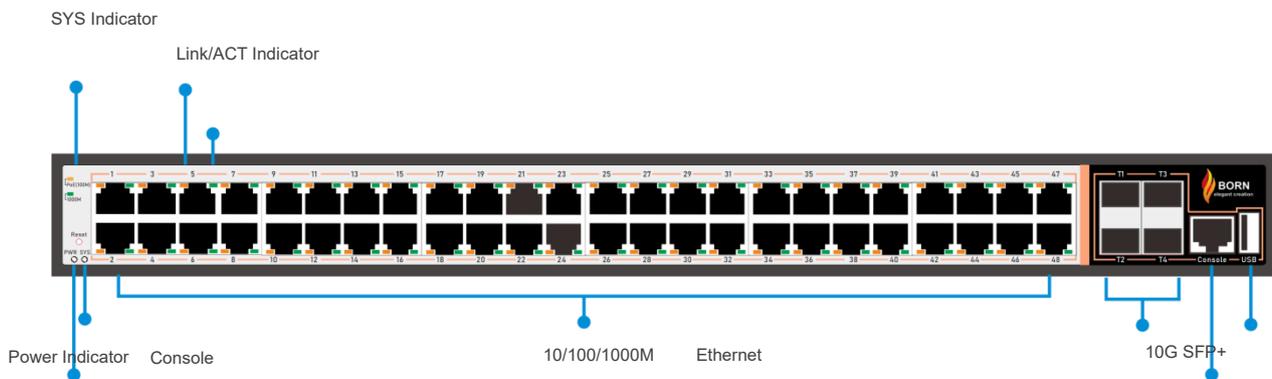
Secure Management Interfaces

- SSH, SSL, SNMP

SNMP MIBs

- RFC 1213 MIB-II
- RFC 1215 Generic Traps
- RFC 1493 Bridge MIB
- RFC 2674 Bridge MIB Extensions
- RFC 2819 RMON (1, 2, 3, 9)
- RFC 2863 Interface Group MIB

Interfaces

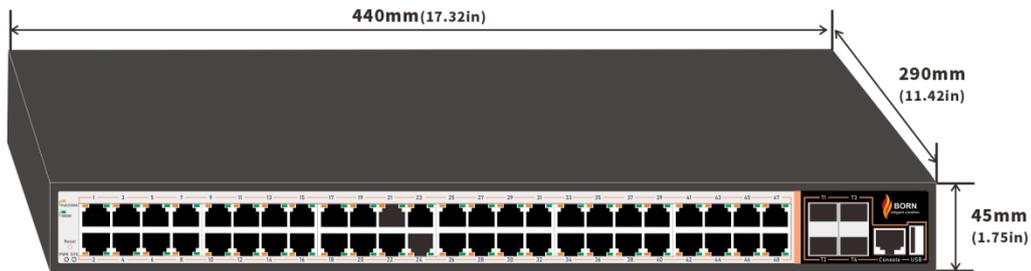


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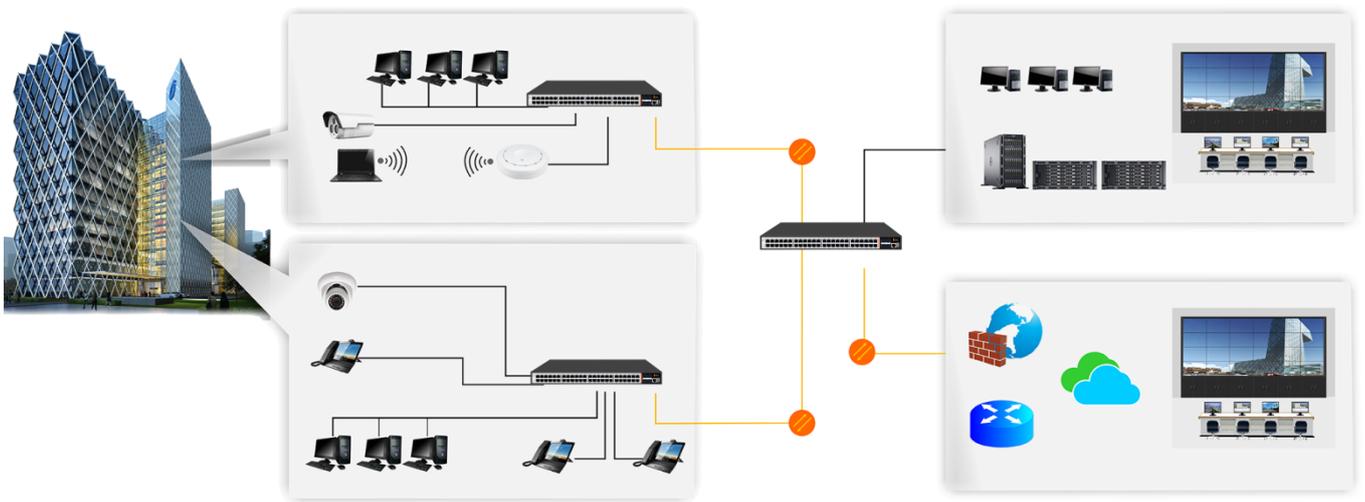
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Structure Diagrams



Applications



Ordering Information

BC3248GM4T

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



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