

## Layer2 Managed Ethernet Switch 8 port 10/100/1000M RJ45+2 port 100/1000M SFP



### BCG-0802P

#### 8-port 10/1000M RJ45 to 2-SFP port 100/1000M SFP

- 8 ports 10/100/1000Mbps RJ45+ 2 port 100/1000Mbps SFP Fiber+1 Console
- 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X.
- Circuit protection prevents power interference between ports.
- L2+ management provide better manageability, security, QoS.
- Layer 2 managed switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, POE+ management, LLDP, IP Source Guard, ARP inspection, ACLs etc.
- Support spanning tree STP(802.1D) and RSTP(802.1W).
- Jumbo frames support up to 9.6K kilobytes.
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- Support short-circuit protection function

#### Hardware Specification

Network Connector	8-port 10/100/1000Mbps RJ45+2-port 100/1000Mbps SFP Fiber+1 Console Port
PoE Port	Non PoE
Switch Architecture	Store and Forward
MAC Address Table	8K
Switch Bandwidth	20G
Forwarding Rate	14.44Mpps
RAM	128M
Cache	4.1M
Flash	16M
Packet Forwarding Rate	"1000M forwarding rate: 1.488Mpps 100M forwarding rate: 0.1488Mpps 10M forwarding rate: 0.01488Mpps"
Flow Control	Full-duplex:IEEE 802.3x pause frame ; Half-duplex: Back pressure
VLAN	Support
Trans mission Distance	"10BASE-T: Cat3,4,5 UTP (150 meter) 100BASE-TX: Cat5 or later UTP(150 meter) 1000BASE-TX: Cat6 or later UTP(150 meter)"
Power Input	AC 100-240V 50/60Hz
ESD Protections	6kV DC
LED Display	PWR,SYS,Giga,ACT/LNLIK
<b>Standard Conformance</b>	
EMI Safety	FCC Clas s B,CE
Standard Compliance	IEEE802.3/IEEE802.3u/IEEE802.3u/IEEE802.3ab/IEEE802.3x
<b>Environment</b>	
Operating Environment	-30°C~50°C
Storage Environment	-35°C~65°C
Operating Humidity	0%~90%(non-condensing)
Storage Humidity	5%~90%(non-condensing)
<b>Others</b>	
Installation	Des top/ Rack Mounting
Dimensions (WxDxH)	210mm (L)*140m m (W)*45mm (H)
Packing Dimensions (WxDxH)	260mm (L)*205m m (W)*67mm (H)
Cross Weight	1.7KG

#### Layer 2 Management

Port Management	"Port disable/enable Auto-negotiation 10/100/1000Mbps full and half duplex mode selection Flow Control disable/enable Bandwidth Control/Broadcast Storm Control"
Port Mirroring	"TX / RX / Both Many-to-one Monitoring"
VLAN	"4K VLAN 802.1Q tagged-based VLAN, up to 30 VLAN groups, out of 4094 VLAN IDs Port-based VLAN, up to 10 VLAN groups"
QoS	"802.1p port queue priority algorithm Cos/Tos, QOS sign WRR (Weighted Round Robin),Weighted priority rotation algorithm WRR/SP/WFQ,3 priority scheduling models"
Spanning Tree Protocol	"STP(Spanning Tree Protocol) RSTP/MSTP( Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol 802.1x argumentation agreement"
Link Aggregation	"Max 8 aggregation groups, each supports 8 ports Static aggregation and dynamic aggregation"
DHCP	DHCP Snoping
Loop Guard	Loop protection function, real-time detection, rapid alarm, accurate positioning, intelligent blocking, automatic recovery
Isolation	Support downlink ports isolated from each other and communicate with upstream port
Line Rate	Support port based input / output bandwidth management
IGMP Snooping	"IGMPv1/2/3 and MLDv1/2 Snooping GMRP protocol registration Multicast address management, multicast VLAN, multicast routing ports, static multicast addresses"
Storm Suppression	"Unknown unicast, multicast, unknown multicast, storm suppression of broadcast type Storm suppression based on bandwidth tuning and storm filtering"
Security	"User port+IP address+MAC ACL based on IP and MAC Security properties of port based MAC address quantities"
System Maintenance	"Upgrade package upload;system log view WEB restore factory configuration"
Management	"WEB Management (support http and https protocol), CLI management Telnet remote management, SSH V1/V2, Support SNMP network management"