



Product Description

BCP® L3 managed industrial PoE switches are used to communicate large amounts of multimedia over long distances. Our 28-port model boasts 24 × 10/100/1000M RJ45 ports as well as 4 × 1/10G SFP+ fibre ports.

Features & Benefits

- IP30 galvanised steel casing
- 1U/19 inch rack installation
- Built-in 400W power supply
- AC/DC dual input port
- 24 × 10/100/1000Base-T RJ45 ports
- 802.1X authentication
- Non-blocking wire-speed forwarding
- Gigabit Ethernet port and 10G SFP+ uplink port combination for flexibility

Applications

- LAN Applications

Technical Specifications

	Model 01	Model 02
Fixed Port	24×10/100/1000Base-T PoE ports (Data/Power); 4×1/10G uplink SFP+ fibre slot ports (Data); 1×Console RS232 port (115200,N,8,1)	
Ethernet Port	Port 1-24 support 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter); 100BASE-TX: Cat5 or later UTP(≤100 meter); 1000BASE-T: Cat5e or later UTP(≤100 meter)	
Optical Fibre Port	Gigabit SFP/10G SFP+ optical fibre interface, default matching optical modules (optional order single-mode/multi-mode, single fibre/dual fibre optical module. LC)	
Optical Cable/Distance	Multimode: 850nm / 0 ~ 500m (1.25G), 850nm / 0 ~ 300m (10G); Single-mode: 1310nm / 0 ~ 40km, 1550nm / 0 ~ 120km	
Network Management Type	L3	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX , IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X IEEE802.3ae 10GBase-LR/SR; IEEE802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	598Gbps (non-blocking)	
Forwarding Rate@64byte	95.23Mpps	
MAC	32K	
Buffer Memory	32M	
Jumbo Frame	9.6K	
LED Indicator	Power: PWR (yellow), system:SYS (yellow); network:Link (yellow); PoE: PoE (green); Fibre port : L/A (green)	
Reset Switch	Yes, support one key to restore factory settings	

To Order

Ordering information on page 3.



PoE Port	Port 1 to 24	
PoE Management	PoE working status Delay start of power supply PoE output priority configuration Scheduling of PoE operation and time Total power limit of PoE power supply PoE output power allocation, off& af &at	
Power Supply Pin	Default: 1/2 (+), 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	400W (AC100-240V)	600W (AC100-240V)
Power Consumption	Standby<25W; Full Load<400W	Standby<30W;Full Load<600W
Power Input Interface	Dual input power interface design, AC power supply priority, support anti-reverse protection, power-off automatic switching DC connection; 2 sets of DC12-48V input interface; 1-way alarm switch interface; 1 set of AC power input interface	
Heat Dissipation	Low noise fan active cooling	
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 5A	Built-in power supply, AC 100~240V 50-60Hz 6.6A
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing	
Dimension (L*W*H)	440*300*45mm	
Net /Gross Weight	<4.4kg / <5.0kg	<4.6kg / <5.3kg
Installation	Desktop type ,19 inch 1U cabinet installation	
Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP30 IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class A IEC61000-6-2(Common Industrial Standard)	
Mechanical Properties	IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)	
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS	
Warranty	5 years, lifelong maintenance.	
Interface	IEEE802.3X (Full-duplex) Port temperature protection setting Port green Ethernet Energy-saving setting Broadcast storm control based on port speed The speed limit of the message flow in the access port. The minimum particle size is 64Kbps	
Layer 3 Features	L3 network management ,IPv4/IPv6 management L3 soft routing forwarding, Static route, Default route @ 128 pcs, APR @ 1024 pcs	
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on the protocol VLAN based on MAC Voice VLAN, QinQ configuration Port configuration of Access, Trunk, Hybrid	
Port Aggregation	LACP, Static aggregation Max 14 aggregation groups and 8 ports per group.	
Spanning Tree	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)	

Industrial Ring Network Protocol	G.8032 (ERPS), Recovery time less than 20ms 250 Ring at most, Max 1024 devices per ring
Multicast	MLD Snooping v1/v2, Multicast VLAN; IGMP Snooping v1/v2, Max 250 multicast groups, Fast log out
Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based Rate Limiting Flow-based Packet Filtering 8*Output queues of each port 802.1p/DSCP priority mapping Diff-Serv QoS, Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)
ACL	Port-based Issuing ACL, ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc.
Security	IP-MAC-VLAN-Port binding ARP inspection, Anti-DoS attack AAA & RADIUS, MAC learning limit Mac black holes, IP source protection IEEE802.1X & MAC address authentication Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit User hierarchical management and password protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay
Management	One-key recovery Cable Diagnose, LLDP Web Management (HTTPS) NTP, System work log, Ping Test CPU instant utilization status view Console/AUX Modem/Telnet/SSH2.0 CLI Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 ONV NMS - smart network management system platform (LLDP+SNMP)
System	Category 5 Ethernet network cable Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer 10 or later; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network

Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Type		Copper Ports		Power Supply		Plug Type	
B/IS B/PS	Industrial Switch PoE Switch	24RJ	24 RJ45	AC DC	AC Power DC Power	UK EU US SK	UK European USA SCHUKO
▲		▲		▲		▲	
B/IS	GB	24RJ	4SF	AC	24V	UK	MG
	▼		▼		▼		▼
10/100/1000M	GB	4 SFP Slots	4SF	24V 48V	24V 48V	Managed	MG
Signal		Fibre Ports		Voltage		Managable	

Example Part Number	
Description	Part Number
BCP 19" 1U 24 RJ45 to 4 SFP Slot GB Industrial Managed Switch	B/ISGB24RJ4SFAC24VUKMG

