

BC5026G-2GS-24POE-450W-P(220VA)

Ordering information

Model	Descriptions
BC5026G-2GS-24POE-450W-P(220VA)	24 port 10/100/1000M PoE + 2 Gigabit SFP Switch (Managed 450W)



Product Descriptions

Introduction:

BC5026G-2GS-24POE-450W-P(220VAC) is Full gigabit, managed, 24-port Gigabit high power (IEEE 802.3at) PoE Switches,utilizing a compact factor which can be mounted in a 19-inch rack with rack-mounting kits or placed on desktop.

With data and power supported by one unit, the BC5026G -2GS-24-POE-450W-P(220VAC) shall reduce cables and eliminate the need for dedicated electrical outlets on the wall,ceiling or any unreachable place. Auto PoE detection and Plug and play installation makes BC5026G-2GS-24POE-450W-P(220VAC) Gigabit PoE Switch easy to use and with clear LED indicators to tell the working condition.

Features:

- Compatible with both IEEE802.3at(30W) and IEEE802.3af (15.4W)
- Automatically detect and supply power to IEEE802.3at and IEEE 802.3af compliant powered devices(PDs)
- Advanced SAFC function, only supply power to IEEE 802.3af/at compliant PDs, no worry about damaging other private standard POE devices or devices without POE function
- Support port power supply prioritization, guarantee the continuous power supply of key nodes
- Up to 100m network cable transmitting distance
- Built-in PSE power supply module, plug-and play design, easy to install
- High security performance defending against power surge
- Support short-circuit protection function
- Energy-saving green design, support auto-switch to standby mode and auto-detect cable length.
- Support simple WEB management, easy to configure the functions of switches

Physic Medium

10/100Base-TX: UTP category 3/4/5 cables (Maximum 100m)
 1000Base-T: UTP Category 5 cable (Maximum 100m)
 1000Base-SX: fiber with 850nm wavelength, supports a max transmission distance of 550m
 1000Base-LX: fiber with 1310nm/1550nm wavelength, supports a max transmission distance of 80km

Network Cable Deployment: Support Auto-MDIX function, automatically identify straight forward cable and cross-over cable

Negotiation Pattern: Support port auto-negotiation function (automatically negotiate transmission rate and Duplex modes)

Maintenance: Detect the connectivity of network cables, Uploading or downloading of the configuration data, Uploading of upgrade patch,WEB-based reset to factory defaults, Support port short-circuit reset to factory defaults

Management: Support WEB-based management

Indicator light

Interface light: Link/Act, POE Status
 Power light: PWR

Power

Input Power Supply: 90~264VAC/50~60Hz/450W
 Energy Saving: Comply with "EEE" Energy Efficient Ethernet

Working Environment

Working Temperature: -20~50°C
 Storage Temperature: -40~70°C
 Operation Humidity: 10%~90% (non-condensing)
 Storage Humidity: 5%~95% (non-condensing)

Mechanical Properties

Weight: <10Kg
 Dimensions (LxWxH): 440x285x44.5mm

Product Standard

Specification:

Technology

Standard and Protocols: IEEE 802.3af, Power Over Ethernet, IEEE 802.3at, Power Over Ethernet Plus IEEE 802.3u, 100BASE-TX, IEEE 802.3ab, 1000 BASE-T, IEEE 802.3z, 1000 BASE-X,IEEE 802.3ad, Static or Dynamic Link Aggregation, IEEE 802.3x, Full-Duplex Flow Control, IEEE 802.3az, EEE (Energy Efficient Ethernet), IEEE 802.1q, VLAN IEEE 802.1p, QoS/CoS, IEEE 802.1d, STP (Spanning Tree Protocol), IEEE 802.1w, Rapid Spanning Tree Protocol, IEEE802.3af/at
 POE Standard: IEEE 802.3af/at
 Flow control: Back-pressure traffic control under Half-Duplex mode, IEEE 802.3x traffic control under Full-Duplex mode

Ports

Fixed ports: 24*10/100/1000M PoE ports+2* Gigabit SFP ports
 PoE Pin-out: 1/2(+), 3/6(-); Customized 4/5(+),7/8(-)

Exchange Properties:

100M forwarding rate: 1488095pps
 100M forwarding rate: 148809pps
 10M forwarding rate: 14880pps

Transmit type: Full wire-speed storage and forwarding
 MAC address: 16K, Support auto-update, two-way learning
 VLAN: Support up to 4096 VLANs, Port-based VLANs, VLANs based on IEEE 802.1q

Switching Capacity:

Spanning Tree: ≥52Gbps
 Spanning Tree Protocol, Rapid Spanning Tree Protocol(RSTP), Support 8 aggregation groups, and a maximum of 4 ports in each aggregation group
 Link Aggregation: Support Ring Protection, provide real-time detecting, quick alarm, precise localization, smart blocking and auto-recovery
 Ring Protection: Isolation between downlink ports without influence the communication between downlink and uplink ports

Port Isolation:

Isolation between downlink ports without influence the communication between downlink and uplink ports
 Port Flow Control: Back-pressure traffic control under Half-Duplex mode, IEEE 802.3x traffic control under Full-Duplex mode

Port Rate Restriction:

Port-based ingress or egress rate limiting
 Jumbo Frame: Maximum supports 9216 Byte
 Storm Suppression: Support the suppression of broadcast storm based on forwarding rate

Multicast Control:

Support IGMPv1/2/3 and MLDv1/2 Snooping;
 Security: Port-base MAC address binding, Security restriction on port-based MAC address quantity
 QOS: SP (Strict Priority), WFQ (Weighted Fair Queuing), WRR (Weighted Round Robin), 802.1p (Port Queuing Priority), Differentiated Service Code Point (DSCP Priority)

IPv6:

IPv6 Parsing
 PoE ouput priority Management: Supported