

BC5018G-2GS-16POE-300W-P(220VA)

Ordering information



Model	Descriptions
BC5018G-2GS-16POE-300W-P(220VA)	16 port 10/100/1000M PoE + 2 ports Gigabit SFP Switch (Managed 300W)

Product Descriptions

Introduction:

BC5018G-2GS-16POE-300W-P (220VAC) is Full gigabit, managed, 16-port Gigabit high power (IEEE 802.3at) PoE Switch,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

BC5018G-2GS-16POE-300W-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 BC5018G-2GS-16POE-300W-P (220VAC) Gigabit PoE Switch easy to use and with clear LED indicators to tell the working condition.

Features:

1. Compatible with both IEEE802.3at (30W) and IEEE802.3af (15.4W), can supply power to PDs under these two standards
2. Automatically detect and supply power to IEEE802.3at and IEEE 802.3af compliant powered devices(PDs)
3. 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
4. Support port power supply prioritization, guarantee the continuous power supply of key nodes
5. Up to 100m network cable transmitting distance
6. Built-in PSE power supply module, plug-and play design, easy to install
7. High security performance defending against power surge
8. Support short-circuit protection function
9. Energy-saving green design, support auto-switch to standby mode and auto-detect cable length.
10. 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/300W
 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: <8Kg
 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,

POE Standard: IEEE802.3af/at

Flow control: Back-pressure traffic control under Half-Duplex mode, IEEE 802.3x traffic control under Full-Duplex mode

Ports

Fixed ports: 16*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
 10M 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: ≥36Gbps

Spanning Tree: Spanning Tree Protocol, Rapid Spanning Tree Protocol (RSTP),

Link Aggregation: Support 8 aggregation groups, and a maximum of 4 ports in each aggregation group
 Ring Protection: Support Ring Protection, provide real-time detecting, quick alarm, precise localization, smart blocking and auto-recovery

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