

24 10/100-TX +4 GIGABIT PORT MANAGED SWITCH WITH 2 SFP EXPANSION SLOTS

Overview

BSG-2224S L2 managed switch provides 24 10/100Mbps ports. The switch provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. Moreover, the switch also comes equipped with 4 10/100/1000Mbps Ports and 2 combo gigabit SFP slots, expanding your network flexibly. BSG-2224S is the cost-effective network solution for the ideal small and medium business.

BSG-2224S provides IP-MAC-Port-VID Binding, Port Security, Storm control and DHCP Snooping which protect against broadcast storms, ARP attacks, etc. It integrates some typical DoS attacks to select. You can protect these attacks more easily ever than before. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports and even VLAN ID. To integrate voice data and video service on one network, BSG-2224S applies rich QoS policies. Administrator can designate the priority of the traffic based on a variety of means including IP or MAC address, TCP or UDP port number, etc, to ensure that voice and video are always clear, smooth and jitter free. In conjunction with the Voice VLAN the switch supporting, the voice applications will operate with much smoother performance



Key Features

- Layer 2 Features
- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- GVRP (GARP VLAN Registration Protocol)
- Port Isolation
- STP/RSTP/MSTP
- IGMP Snooping
- Quality of Service
- 4 priority queues
- Support IEEE 802.1P
- DSCP QoS
- Rate limit feature
- ISecurity Strategies
- P-MAC-Port-VID Binding
- Access Control List (L2~L4 ACL)
- 802.1x and RADIUS Authentication
- Support DoS defend
- Port Security
- SSL and SSH encryptions
- Management
- Web-based GUI
- Command Line Interface
- SNMP v1/v2c/v3
- RMON (1, 2, 3, 9 group)

Ordering Information

BSG-2224S	24 10/100RJ45 + 4 10/100/1000TX + 2 SFP expansion slot Managed Switch
BSD-SFPGLC	1.25Gbps 1310 nm 10000Base SFP module LC Multimode 2km
BSD-SFPGLC-20	1.25Gbps 1310 nm 10000Base SFP module LC Singlemode 20km

Specifications

Interface	24 10/100Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 2 100/1000Mbps SFP Slots 1 Console Port
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above (maximum 100m) 1000BASE-X: MMF, SMF
Bandwidth Backplane	12.8Gps
MAC Address	8k
Forwarding Rate	9.5 Mpps
Jumbo Frame	10240 Bytes
L2 Switching Features	IGMP Snooping V1/V2/V3 802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group) Spanning Tree STP/RSTP/MSTP Port isolation, BPDU filtering/guard, TC/Root protect, Loop back detection 802.3x Flow Control
QoS	Support 802.1p CoS/DSCP priority , Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting, Voice VLAN
VLAN	Support IEEE802.1Q with 4K VLAN groups and 4K VIDs Port/ MAC/Protocol-based VLAN GARP/GVRP Management VLAN configuration
Access Control list	L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID Time Range Based
Security	IP-MAC-Port-VID Binding IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN DoS Defence, Dynamic ARP inspection (DAI), SSH v1/v2, SSL v2/v3/TLSv1 Port Security, Broadcast/Multicast/Unknown-unicast Storm Control
Management	Web-based GUI and CLI management SNMP v1/v2c/v3, compatible with public MIBs and private MIBs RMON (1, 2, 3, 9 groups), DHCP/BOOTP Client, DHCP Snooping, DHCP Option82, CPU Monitoring, Port Mirroring Time Setting: SNTP, Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web, System Diagnose: VCT SYSLOG & Public MIBS
Certification	CE, FCC
Power	100~240VAC, 50/60Hz
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7, MAC® OS, NetWare®, UNIX® or Linux.
Dimensions	440 x 220 x 44 mm (17.32 x 8.66 x 1.73)''
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing