



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SMC SMC GS26C-SMART. You'll find the answers to all your questions on the SMC SMC GS26C-SMART in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SMC SMC GS26C-SMART
User guide SMC SMC GS26C-SMART
Operating instructions SMC SMC GS26C-SMART
Instructions for use SMC SMC GS26C-SMART
Instruction manual SMC SMC GS26C-SMART

SMCGS26C-Smart
EZ Switch™ 10/100/1000 24 Ports Gigabit Web Smart
Switch including 2 100/1000BASE-X SFP slots

Product Overview

SMC Network's EZ Switch SMC GS26C-Smart is a new 26-port Gigabit Ethernet Smart Switch providing 24 Gigabit ports and 2 100/1000BASE-X SFP slots. The switch supports a flexible web-based management interface as well as SNMP for both IPv4 and IPv6. The new SMC GS26C-Smart provides a range of feature-rich functions, including VLANs, Spanning Tree, link aggregation, multicasting, security, storm control, and QoS with 8 priority queues. Ideal for users looking to migrate from unmanaged to managed networks, this Smart Switch is easy to install and perfect for SMB and SOHO businesses.

Key Features and Benefits

- Performance and Scalability**
This entry-level managed switch provides 52 Gbps wire-speed switching performance across all 26 ports. This enables the switch to fully support existing high-performance PCs and laptops, which significantly improves application response times and the speed of large file transfers. The two Gigabit Ethernet 100/1000BASE-X SFP slots provide uplink flexibility, offering extended fiber connections to the network backbone.
- Feature-Rich Functionality**
VLAN features support flexible network partition and configuration, performance improvement, and cost savings. ICMP snooping prevents flooding of IP multicast traffic and limits bandwidth-intensive video traffic to only the subscribers. Storm control monitors the amount of storm traffic that is sent every single second on an interface. It allows the administrator to specify how much storm traffic can be sent as a percentage of the total bandwidth of an interface.
- Continuous Availability**
IEEE 802.1w Rapid Spanning Tree Protocol provides a loop-free network and redundant links to the core network with rapid convergence, ensuring faster recovery from failed links, and enhancing overall network stability and reliability. IEEE 802.3ad Link Aggregation Control Protocol (LACP) increases bandwidth by automatically aggregating several physical links together as a logical trunk and providing load balancing and fault tolerance for uplink connections.
- Comprehensive QoS**
Support for eight egress queues per port enable differentiated management of up to eight traffic types. Traffic is prioritized according to 802.1p, DSCP, and TCP/UDP port number, giving optimal performance to real-time applications such as voice and video. Asymmetric bidirectional rate-limiting, per port or per traffic class, preserves network bandwidth and allows maximum control of network resources.
- Enhanced Security**
Port Security limits the total number of devices that can access a switch port based on MAC address, and protects against MAC flooding attacks. IEEE 802.1X port-based or MAC-based access control ensures all users are authorized before being granted access to the network. User authentication is carried out using a standard-based RADIUS server, with support for dynamic VLAN assignment.
- Simple Management**
An embedded user-friendly web interface helps users quickly and simply configure switches. SNMP v1/v2 is supported for management by a network management station. The switch supports management functions over both IPv4 and IPv6. Cable diagnostics identifies cable faults (such as short, open, etc.) and feeds back a distance to the fault. LLDP (Link Layer Discovery Protocol) enables administrators to monitor devices attached to switch ports.



[You're reading an excerpt. Click here to read official SMC SMC GS26C-SMART user guide](http://yourpdfguides.com/dref/4291726)
<http://yourpdfguides.com/dref/4291726>

Manual abstract:

@@Ideal for users looking to migrate from unmanaged to managed networks, this Smart Switch is easy to install and perfect for SMB and SOHO businesses. Key Features and Benefits Performance and Scalability This entry-level managed switch provides 52 Gbps wire-speed switching performance across all 26 ports. @@@@Traffic is prioritized according to 802.1p, DSCP, and TCP/UDP port number, giving optimal performance to real-time applications such as voice and video. @@@@User authentication is carried out using a standard-based RADIUS server, with support for dynamic VLAN assignment. Simple Management An embedded user-friendly web interface helps users quickly and simply configure switches. @@The switch supports management functions over both IPv4 and IPv6. @@@@IEEE 802.3ad Link Aggregation Control Protocol (LACP) increases bandwidth by automatically aggregating several physical links together as a logical trunk and providing load balancing and fault tolerance for uplink connections. Features PHYSICAL PORTS 24 10/100/1000BASE-T RJ-45 ports 2 Gigabit Ethernet SFP slots (SFP ports support dual speed 100/1000BASE-X) MANAGEMENT Port mirroring: one to one and many to one Event log: local flash, syslog, remote server (RFC3164) and SMTP (RFC821) SNMP (IPv4/IPv6) Loop detection and prevention UPnP Cable diagnostics IPv6 management: IPv4/IPv6 dual protocol stack IPv6 address types: unicast/multicast IPv6 Ping/tracert ICMPv6 and ICMPv6 redirect IPv6 neighbor discovery IPv6 stateless auto config/manual config IPv6 Telnet/SNMP/HTTP/DHCP PERFORMANCE Switching Capability: 52 Gbps Packet Buffer Size: 512KB MAC Address Table: 8K Flash: 16MB L2 FEATURES Auto-negotiation for port speed and duplex mode Flow Control: IEEE 802.3x for full-duplex mode Back-Pressure for half-duplex mode Spanning Tree Protocol: IEEE 802.1D Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) STP Auto Edge VLANs: Supports 4K IEEE 802.1Q VLANs Port-based VLANs Voice VLAN Private VLAN Link Aggregation: Static Trunk IEEE 802.3ad Link Aggregation Control Protocol Trunk groups: 13 trunk links: Up to 12 ports IGMP Snooping: IGMP snooping v1/v2/v3 IGMP immediate leave Supports jumbo frames up to 10 KB MECHANICAL Dimensions (W x D x H) 43 x 18 x 4. 4 cm Weight: TBD LED Indicators: Port, Uplink, System, Diagnostic POWER SUPPLY AC Power 100 to 240 V, 50-60 Hz, 0.5A Power Supply Internal, auto-ranging transformer: 100 to 240 VAC, 47 to 63 Hz Power Consumption 20 Watts for System Power ELECTROMAGNETIC COMPATIBILITY CE Mark FCC Class A EN 55022 (CISRP 22) Class A EN 61000-3-2/3 QoS FEATURES Priority Queues: 8 hardware queues per port Traffic classification based on IEEE 802.1p CoS, DSCP, Supports WRR, Strict scheduling, or hybrid mode Rate Limiting Ingress: Resolution 16 Kbps Egress: Resolution 16 Kbps ENVIRONMENTAL SPECIFICATIONS Temperature: -0°C to 50°C (standard operating) -40°C to 70°C (non-operating) Humidity: 10% to 90% (non-condensing) Vibration: IEC 68-2-36, IEC 68-2-6 Shock: IEC 68-2-29 Drop: IEC 68-2-32 SECURITY Port security: static and dynamic Supports IEEE 802.1X port based and MAC-based EAPOL transparent MAC authentication Web authentication HTTPS/SSL SSH v1.5/v2. 0 MAC Filter/IP Filter DHCP Snooping SAFETY CSA (CSA 22.2 NO 60950-1 & UL 60950-1) CB (IEC/EN60950-1) WARRANTY Please check www.smc.com for the warranty terms in your country. MANAGEMENT Switch Management: Web management SNMP v1/v2/v3 Firmware and Configuration: upgrade/downgrade via TFTP/HTTP Supports DHCP Client Supports LLDP (802.1ab) and LLDP-MED RMON (groups 1, 2, 3, and 9) Contact Worldwide Corporate and Sales Headquarters No. 1 Creation Road III, Hsinchu Science Park, 30077, Taiwan, R.O.C. Tel: +886 3 5770270 Fax: +886 3 5780764 ©2012 SMC Networks.

EZ Switch™ is a trademark of SMC Networks. @@Information is subject to change without notice. All rights reserved. .



[You're reading an excerpt. Click here to read official SMC
SMCGS26C-SMART user guide
http://yourpdfguides.com/dref/4291726](http://yourpdfguides.com/dref/4291726)