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You can read the recommendations in the user guide, the technical guide or the installation guide for SMC SMC GS10P-SMART. You'll find the answers to all your questions on the SMC SMC GS10P-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 GS10P-SMART
- User guide SMC SMC GS10P-SMART
- Operating instructions SMC SMC GS10P-SMART
- Instructions for use SMC SMC GS10P-SMART
- Instruction manual SMC SMC GS10P-SMART

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SMCGS10P-Smart

EZ Switch™ 10/100/1000 10-port Gigabit Web Smart PoE Switch Including 2 100/1000BASE-X SFP Slots

Product Overview

SMC Network's EZ Switch™ SMC GS10P-Smart is a new 10-port Gigabit Ethernet smart switch providing 8 Gigabit PoE 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 GS10P-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 20 Gbps wire-speed switching performance across all 10 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.

IEEE 802.1Q-in-Q VLAN tags expand the VLAN space by double-tagging packets.

IGMP 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 802.1s Multiple Spanning Tree Protocol runs STP per VLAN base (up to 8 instances), providing Layer 2 load sharing on redundant links.

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, IP precedence, 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.

PoE Features
The SMC GS10P-Smart can provide up to 30 Watts of power to attached devices, such as VoIP phones, wireless access points, surveillance cameras, etc. all over existing Cat. 5 cables. The switch can deliver up to 30 Watts on 2 ports, 15.4 Watts on 4 ports, or 7.5 Watts on 8 ports. This eliminates the need for individual power sources for devices in the network, saving on costs for power cables and avoiding power outlet availability issues. If the power demand exceeds the switch's maximum power budget, ports can be prioritized to receive power.

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Manual abstract:

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