SMC GE Web Smart Series
EZ Switch™ 10/100/1000 10/18/26/50-Port
Gigabit Web Smart w/wo PoE Switch

Product Overview
SMC Network’s EZ Switch™ web smart series a new 10/18/26/50-port Gigabit Ethernet Smart Switch providing 8/16/24/48 Gigabit w/wo 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 GE web smart series 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 is perfect for SMB and SOHO businesses.

Key Features and Benefits

Performance and Scalability
This entry-level managed switch provides 20/36/52/100Gbps wire-speed switching performance across all 10/18/26/50 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. 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 802.3ad 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.

PoE Features
The SMCGS10/18/26/50P-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 2/6/6/12 ports, 15.4 Watts on 4/12/12/24 ports, or 7.5 Watts on 8/24/24/48 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.
<table>
<thead>
<tr>
<th>Product Model</th>
<th>SMCGS10C-Smart</th>
<th>SMCGS10P-Smart</th>
<th>SMCGS18C-Smart</th>
<th>SMCGS18P-Smart</th>
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Features

L2 Features
Spanning Tree:
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP)
- Loopback detection
- BDPU Filter / Guard
- Root Guard
VLAN:
- Supports 4K IEEE 802.1Q VLANs
- Port-based / Private / Protocol / Management / Voice / Guest VLANs
- MVR
- Q-in-Q
Link Aggregation:
- Static Trunk
- iEEE 802.3ad (LACP) Link Aggregation Control Protocol
IGMP :
- IGMP snooping v1/v2/v3
- IGMP snooping v1/v2/v3 Proxy
- IGMP Filtering / Throttling
- IGMP immediate leave
- IGMP Querier
- MLD Snooping
Storm Control:
- Broadcast / Multicast / Unknown Storm Control
LLDP (802.1ab)  LLDP/ LLDP-MED
802.3az EEE (No Link Power-Saving)

IPv6 Features
IPv4/ IPv6 Dual Protocol Stack
IPv6 Management
SNMP over IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Security Features
IEEE 802.1X
ACL
- L2/L3/L4
- ACL entry (10C/10P/18C/18P/26C/26P: 256); (50C/50P: 512)
- IPv4/ IPv6
Port Security (Static / Dynamic)
Trusted MAC
MAC Filter
MAC limitation per port
DHCP Snooping
Dynamic ARP Inspection
AAA (RADIUS / TACACS+)
SSH1.5/2.0
SSL
- SSL L2/L3/L4
- SSL v3
- SSL IPv4/IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Management Features
System password protection
sFlow (SMCGS10-C Smart and SMCGS10P Smart are not supported)
NTP
Dual Image
Configuration upload / download (HTTP / TFTP)
Firmware upload /download (HTTP/ TFTP)
RMON(groups 1,2,3 and 9)
SNMP
- SNMP Trap
- SNMP v1/v2/v3
- SNMP Standard MIB
Management Access (SNMP / WEB /Telnet )
BOOTP
Memory Flash Log
Event / Error Log / Syslog
DHCP Client/ Option 82
Port Mirroring (One to One) TX/RX (both)

PoE Features
Support 802.3af/at
- Support 7.5W/15.4W/30W in each port
(Total PoE Power Budget have limited as follow)
PoE power budget:
- SMGS10P-Smart (75W)
- SMGS18P-Smart (190W)
- SMGS26P-Smart (190W)
- SMGS50P-Smart (375W)
Dynamic Power Allocation / Auto disable after exceeding power budget

QoS Features
Rate Limiting:
Priority Queues Schedule
- WRR/Strict Priority / Hybrid
CoS
- IEEE 802.1p CoS
- 8 HW Queues / per port
- TCP / UDP Port
- DSCP
- IPv4/ IPv6-Base CoS
- DiffServ

IPv4 Features
IPv4/ IPv6 Dual Protocol Stack
IPv6 Management
SNMP over IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Security Features
IEEE 802.1X
ACL
- L2/L3/L4
- ACL entry (10C/10P/18C/18P/26C/26P: 256); (50C/50P: 512)
- IPv4/ IPv6
Port Security (Static / Dynamic)
Trusted MAC
MAC Filter
MAC limitation per port
DHCP Snooping
Dynamic ARP Inspection
AAA (RADIUS / TACACS+)
SSH1.5/2.0
SSL
- SSL L2/L3/L4
- SSL v3
- SSL IPv4/IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Management Features
System password protection
sFlow (SMCGS10-C Smart and SMCGS10P Smart are not supported)
NTP
Dual Image
Configuration upload / download (HTTP / TFTP)
Firmware upload /download (HTTP/ TFTP)
RMON(groups 1,2,3 and 9)
SNMP
- SNMP Trap
- SNMP v1/v2/v3
- SNMP Standard MIB
Management Access (SNMP / WEB /Telnet )
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Port Mirroring (One to One) TX/RX (both)

PoE Features
Support 802.3af/at
- Support 7.5W/15.4W/30W in each port
(Total PoE Power Budget have limited as follow)
PoE power budget:
- SMGS10P-Smart (75W)
- SMGS18P-Smart (190W)
- SMGS26P-Smart (190W)
- SMGS50P-Smart (375W)
Dynamic Power Allocation / Auto disable after exceeding power budget

QoS Features
Rate Limiting:
Priority Queues Schedule
- WRR/Strict Priority / Hybrid
CoS
- IEEE 802.1p CoS
- 8 HW Queues / per port
- TCP / UDP Port
- DSCP
- IPv4/ IPv6-Base CoS
- DiffServ

IPv4 Features
IPv4/ IPv6 Dual Protocol Stack
IPv6 Management
SNMP over IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Security Features
IEEE 802.1X
ACL
- L2/L3/L4
- ACL entry (10C/10P/18C/18P/26C/26P: 256); (50C/50P: 512)
- IPv4/ IPv6
Port Security (Static / Dynamic)
Trusted MAC
MAC Filter
MAC limitation per port
DHCP Snooping
Dynamic ARP Inspection
AAA (RADIUS / TACACS+)
SSH1.5/2.0
SSL
- SSL L2/L3/L4
- SSL v3
- SSL IPv4/IPv6 (SMCGS10-C Smart and SMCGS10P Smart are not supported)

Management Features
System password protection
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