

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



Non PoE Series



PoE Series

### 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 SMC GS10/18/26/50P-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.

Product Model		SMCGS10C-Smart	SMCGS10P-Smart	SMCGS18C-Smart	SMCGS18P-Smart
Product Image					
Port	RJ-45 10/100/1000 Ports	8	8	16	16
	SFP Uplink Ports	2	2	2	2
	PoE Port	X	8	X	16
Performance	Switching Capacity	20 Gbps	20 Gbps	36 Gbps	36 Gbps
	Forwarding Rate	14.9 Mpps	14.9 Mpps	26.8 Mpps	26.8 Mpps
	Flash Memory	8 M	8 M	16 M	16 M
	DRAM	64 M	64 M	128 M	128 M
	MAC Address Table Size	8 K	8 K	8 K	8 K
	Jumbo Frames	10 K	10 K	10 K	10 K
	Auto-negotiation, Auto-MDI/MDIX	O	O	O	O
PoE	Support on all Gigabit ports based on IEEE 802.3af	X	O	X	O
	PoE+ based on IEEE 802.3at	X	O	X	O
	Auto disable after exceeding power budget	X	O	X	O
	Dynamic Power Allocation	X	O	X	O
	PoE Power Budget	X	75 W	X	190 W
Mechanical	Rack Space	19"	19"	19"	19"
	Dimension (W x D x H) cm	19.64 x 11.63 x 3.66	33 x 20.4 x 4.3	44 x 17.3 x 4.4	44 x 35 x 4.4
	Weight	1.55 kg	2.2 kg	1.91 kg	4.05 kg
Power Supply	100-240 VAC, 50-60 Hz	O	O	O	O
	Max System Power Consumption (Watts)	20 W	100 W	20 W	250 W
Environmental	Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
	Storage Temperature	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
	Operating Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Storage Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Environmental Regulation compliance: WEEE	O	O	O	O
	Environmental Regulation compliance: RoHS	O	O	O	O
Electromagnetic Compatibility	Safety Compliance: UL	O	O	O	O
	CE	O	O	O	O
	Safety Compliance: CB	O	O	O	O
	Safety Compliance: UL	O	O	O	O

Product Model		SMCGS26C-Smart	SMCGS26P-Smart	SMCGS50C-Smart	SMCGS50P-Smart
Product Image					
Port	RJ-45 10/100/1000 Ports	24	24	48	48
	SFP Uplink Ports	2	2	2	2
	PoE Port	X	24	X	48
Performance	Switching Capacity	52 Gbps	52 Gbps	100 Gbps	100 Gbps
	Forwarding Rate	38.7 Mpps	38.7 Mpps	74.4 Mpps	74.4 Mpps
	Flash Memory	16 Mpps	16 Mpps	16 Mpps	16 Mpps
	DRAM	128 M	128 M	128 M	128 M
	MAC Address Table Size	8 K	8 K	32 K	32 K
	Jumbo Frames	10 K	10 K	10 K	10 K
	Auto-negotiation, Auto-MDI/MDIX	O	O	O	O
PoE	Support on all Gigabit ports based on IEEE 802.3af	X	O	X	O
	PoE+ based on IEEE 802.3at	X	O	X	O
	Auto disable after exceeding power budget	X	O	X	O
	Dynamic Power Allocation	X	O	X	O
	PoE Power Budget	X	190 W	X	375 W
Mechanical	Rack Space	19"	19"	19"	19"
	Dimension (W x D x H) cm	44 x 17.3 x 4.4	44 x 35 x 4.4	43 x 25 x 4.45	44 x 35 x 4.45
	Weight	2.01 kg	4.22 kg	2.99 kg	5.19 kg
Power Supply	100-240 VAC, 50-60 Hz	O	O	O	O
	Max System Power Consumption (Watts)	20 W	250 W	50 W	525 W
Environmental	Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
	Storage Temperature	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
	Operating Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Storage Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
	Environmental Regulation compliance: WEEE	O	O	O	O
	Environmental Regulation compliance: RoHS	O	O	O	O
Electromagnetic Compatibility	Safety Compliance: UL	O	O	O	O
	CE	O	O	O	O
	Safety Compliance: CB	O	O	O	O
	Safety Compliance: UL	O	O	O	O

## 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)

### 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 QoS
- 8 HW Queues / per port
- TCP / UDP Port
- DSCP
- IPv4/ IPv6-Base QoS
- DiffServ

### 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)

## Contact



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