

# 10-Port 10/100/1000 Web Smart+ Managed Switch with 1G/10G SFP Slots

SG71070M

## Technical Specifications

General	
<b>Network Ports:</b>	<ul style="list-style-type: none"><li>• (8) 100M/1G/10G Copper Ports</li><li>• (2) 1G/10G SFP Slots</li><li>• Shielded RJ-45, Auto-Negotiate, Auto-MDI/MDI-X Support</li><li>• Back-pressure flow control for half-duplex</li><li>• 802.3x flow control for full-duplex</li></ul>
<b>Network Cables:</b>	<ul style="list-style-type: none"><li>• 100Mbps: Cat.5 up to 100m</li><li>• 1Gbps: Cat.5e or higher up to 100m</li><li>• 10Gbps: Cat.6 or higher up to 100m</li><li>• Multi-mode or Single-Mode fiber with LC Connectors</li></ul>
<b>Switching Capacity:</b>	<ul style="list-style-type: none"><li>• 200Gbps switch capacity</li><li>• Supports jumbo frames up to 9K</li></ul>
Layer 2 Switching	
<b>Spanning Tree:</b>	<ul style="list-style-type: none"><li>• Standard Spanning Tree (STP) 802.1d</li><li>• Rapid Spanning Tree (RSTP) 802.1w</li><li>• Multiple Spanning Tree (MSTP) 802.1s</li></ul>
<b>Trunking:</b>	<ul style="list-style-type: none"><li>• Link Aggregation Control Protocol (LACP) IEEE 802.3ad</li><li>• Up to 14 Groups</li></ul>
<b>VLAN:</b>	<ul style="list-style-type: none"><li>• Port-Based VLAN</li><li>• 802.1Q Tag-Based VLAN, up to 4K active VLANs</li><li>• MAC-Based VLAN</li><li>• Management VLAN</li><li>• Protocol-based VLAN</li><li>• Guest VLAN</li><li>• Q-in-Q (double tag) VLAN</li><li>• Private VLAN Edge (PVE)</li></ul>
<b>Voice VLAN:</b>	Voice traffic is automatically assigned to a Voice-Specific VLAN
<b>IGMP:</b>	<ul style="list-style-type: none"><li>• Snooping v1/v2/v3, supports 1024 multicast groups</li><li>• Querier</li><li>• Proxy MLD v1/v2 snooping</li></ul>

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Security	
<b>IP Source Guard:</b>	Prevents illegal IP addresses from accessing the switch
<b>Storm Control:</b>	Prevents LAN traffic from being disrupted by broadcast, multicast, or unicast storm
<b>ACLs:</b>	<ul style="list-style-type: none"><li>• Supports up to 256 entries</li><li>• Manage Drop or Rate Limitation</li></ul>
Quality of Service	
<b>Hardware Priority Queue:</b>	Supports 8 hardware queues
<b>Scheduling:</b>	<ul style="list-style-type: none"><li>• Strict priority and weighted round-robin (WRR)</li><li>• Queue assignment base on DSCP and class of service (802.1p/CoS)</li></ul>
<b>Classification:</b>	Port-based, 802.1p VLAN priority based, IPv4/IPv6 precedence/type of service (ToS)/DSCP based, DiffServ, classification and re-marking ACLs, trusted QoS
<b>Rate Limiting:</b>	Ingress policy, Egress sharing and rate control, per VLAN/Port/Flow Based
Management	
<b>Web GUI Interface:</b>	Built-in switch utility supports configuration, maintenance, and monitoring
<b>Dual Image:</b>	Provides independent primary and secondary OS files for upgrading backup
<b>SNMP:</b>	<ul style="list-style-type: none"><li>• SNMP v1/v2c/v3 with support for traps</li><li>• SNMP v3 user-based security model (USM)</li></ul>
<b>DHCP:</b>	<ul style="list-style-type: none"><li>• DHCP Client</li><li>• DHCP Snooping</li></ul>
<b>Port Mirroring:</b>	<ul style="list-style-type: none"><li>• For analysis with a network analyzer or RMON probe</li><li>• One session is supported</li></ul>
<b>Management Support:</b>	Single IP, HTTP/HTTPS, SSH, RADIUS, DHCP Client/DHCPv6 Client, SNTP, Cable Diagnostics, Ping, Syslog, Telnet
Mechanical	
<b>Dimensions:</b>	<ul style="list-style-type: none"><li>• 8.66 x 9.5 x 1.73 inches (WxDxH)</li><li>• Weight: 4.2 Pounds</li></ul>
<b>Power:</b>	100-240VAC, 50-60Hz
<b>Temperature:</b>	<ul style="list-style-type: none"><li>• Operating: -10°C to 50°C</li><li>• Storage: -20°C to 70°C</li><li>• Humidity: 10% to 90% relative, non-condensing</li></ul>
<b>Certifications:</b>	<ul style="list-style-type: none"><li>• CE Mark</li><li>• FCC Part 15, Class A</li></ul>