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Refurbished CISCO SLM248GT Datasheet

CISCO > SWITCHES

Cisco Small Business 200 Series Smart Switches

Product Specifications

Layer 2 Switching	
Spanning Tree Protocol (STP)	Standard 802.1d STP support Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default
Port grouping	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) Up to 4 groups Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation
VLAN	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs). 16 VLANs supported in SG200-08 and SG200-08P Port-based and 802.1Q tag-based VLANs
Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS
Internet Group Management Protocol (IGMP) versions 1 and 2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 256 multicast groups (16 for SG200-08 and SG200-08P)
Security	
IEEE 802.1X (Authenticator role)	802.1X: RADIUS authentication, MD5 hash
Port security	Locks MAC addresses to ports, and limits the number of learned MAC addresses
Storm control	Broadcast, multicast, and unknown unicast
Quality of Service	
Priority levels	4 hardware queues
Scheduling	Strict priority and weighted round-robin (WRR) Queue assignment based on differentiated services code point (DSCP) and class of service (802.1p/CoS)
Class of service	Port based, 802.1p VLAN priority based, IPv4/v6 IP precedence/type of service (ToS)/DSCP based, Differentiated Services (DiffServ)
IPv6	
IPv6	IPv6 host mode IPv6 over Ethernet Dual IPv6/IPv4 stack IPv6 neighbor and router discovery (ND) IPv6 stateless address auto-configuration Path maximum transmission unit (MTU) discovery Duplicate address detection (DAD) Internet Control Message Protocol (ICMP) version 6 IPv6 over IPv4 network with Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) support
IPv6 QoS	Prioritize IPv6 packets in hardware
Multicast Listener Discovery (MLD) snooping	Deliver IPv6 multicast packets only to the required receivers
IPv6 applications	Web, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), RADIUS, syslog, DNS client
Power Efficiency	
EEE compliant (802.3az)	Supports 802.3az on all copper Gigabit Ethernet ports (SG200-xx models) Not supported on SG200-08 and SG200-08P

Energy Detect mode	Automatically turns off power on Gigabit Ethernet RJ-45 port when the switch detects a link down Active mode is resumed without loss of any packets when the switch detects that the link is back up
General	
Jumbo frames	Frame sizes up to 10 KB supported on 10/100 and Gigabit Ethernet interfaces (9 KB for SG200-08 and SG200-08P)
Discovery	
Link Layer Discovery Protocol (LLDP) (802.1ab) with LLDP MED extensions	LLDP allows the switch to advertise its identification, configuration, and capabilities to neighboring devices, which store the data in an MIB. LLDP-MED is an enhancement to LLDP that adds the extensions needed for IP phones.
Cisco Discovery Protocol	The switch advertises itself using the Cisco Discovery Protocol. It also learns the connected device and its characteristics via this protocol. Not supported on SG200-08 and SG200-08P
Auto Smartports	Automatically applies the intelligence delivered through the Smartports roles to the port based on the devices discovered over Cisco Discovery Protocol or LLDP-MED. This capability facilitates zero-touch deployments. Not supported on SG200-08 and SG200-08P

The next steps...

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