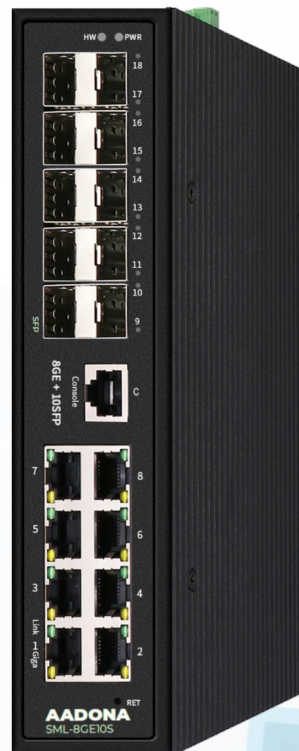


8GE+10SFP 10/100/1000Mbps managed industrial Switch

Sapphire: SML-8GE-10S



Model	Sapphire: SML-8GE-10S
Ports	8*10/100/1000Base-TX RJ45 10*1000M SFP
Console	1*console Port for management
Reset	1
Power input	2*independent power input, DC 12-57V
Environment detection	1 set of environmental temperature and humidity detection input
Network protocol	IEEE 802.3x IEEE 802.3- IEEE 802.3u- IEEE 802.3ab- IEEE 802.3z IEEE 802.3ad IEEE 802.3q 、 IEEE 802.3q/p IEEE 802.1w- IEEE 802.1d 、 IEEE 802.1S IEEE 802.3z 1000BASE-X STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Network port	1-8 port 10/100/1000BaseT (X) adaptive, Full/half duplex MDI/ MDI-X adaptive
Forward mode	Store-and-forward (full-line speed)
Backplane bandwidth	36Gbps (Non-blocking)
Packet forwarding rate	26.78Mpps
MAC table	8K
Packet forwarding cache	4.1M
Medium	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤1000 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
Power consumption	≤15W
LED indicator	Port (green/100M+yellow/1000M) PWR: (power indicator) PMX: (Power overload indicator light)
Operating temperature/ humidity	-40 ~ +85°C; 5% ~ 90% RH No condensation
Storage temperature/ humidity	-55 ~ +95°C; 5% ~ 95% RH No condensation
Product size/package size (L*W*H)	179×134×46mm approx
Net/gross weight (kg)	1.0kg
Installation	Rail mounting
Lightning protection/protection level	Port lightning protection : 6KV 8/20us; Protection grade : IP40
Safety certification	CE, LVD, RoHS
Warranty	3+2 year

WEB Software Specification	
Standards	IEEE 802.3x IEEE 802.3- IEEE 802.3u- IEEE 802.3ab- IEEE 802.3z IEEE 802.3ad IEEE 802.3q 、 IEEE 802.3q/p IEEE 802.1w- IEEE 802.1d 、 IEEE 802.1S IEEE 802.3z 1000BASE-X STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol
MAC Address	8K MAC addresses ; MAC address learning and aging
VLAN	4k VLANS ; Port-based VLANs ; 802.1Q VLAN
Spanning Tree	STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) PPS ring network protocol EAPS ring network protocol 802.1x argumentation agreement
Link Aggregation	Max 8 aggregation groups, each supports 8 ports Static aggregation and dynamic aggregation
Port Mirror	Many-to-one port mirroring
Loop Guard	Loop protection function, real-time detection, rapid alarm, accurate positioning, intelligent blocking, automatic recovery
Isolation	Support downlink ports isolated from each other and communicate with upstream port
Port flow control	Half duplex based back pressure control Full duplex based on PAUSE frames
Line rate	Support port based input / output bandwidth management
IGMP Snooping	IGMPv1/2/3 MLDv1/2 Snooping GMRP protocol registration Multicast address management, multicast VLAN, multicast routing ports, static multicast addresses
DHCP	DHCP Snoping
Storm suppression	Unknown unicast, multicast, unknown multicast, storm suppression of broadcast type Storm suppression based on bandwidth tuning and storm filtering
Security	User port+IP address+MAC ACL based on IP and MAC Security properties of port based MAC address quantities
QOS	802.1p port queue priority algorithm Cos/Tos , QOS sign WRR (Weighted Round Robin) , Weighted priority rotation algorithm WRR 、 SP 、 WFQ , 3 priority scheduling models
Port	Auto-MDIX ; Auto negotiation
System maintenance	Upgrade package upload ; system log view WEB restore factory configuration
Industrial switch monitoring platform	RING ON/OFF, RING status, Alarm input/Output, environment temperature and humidity detection, real-time monitoring of environmental conditions
Management and maintenance	WEB Remote configuration and maintenance using Telnet SNMP V1/V2/V3 ; SSHV1/V2 RMON



AADONA Communication Pvt Ltd
Corporate Headquarters

1st Floor, Phoenix Tech Tower, Plot No. 14/46,
IDA-Uppal, Hyderabad, Telangana 500039
www.aadona.com
Toll Free No. : 1800 202 6599
contact@aadona.com

AADONA Communication Pvt Ltd
Production, Warehousing and Billing Center

7, SBI Colony, Mohaba Bazar, Hirapur Road,
Raipur Chhattisgarh, 492099
www.aadona.com
Toll Free No. : 1800 202 6599
contact@aadona.com

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