

10/100/1000 Modular “Pick-a-Port” Switch with Management

S71090A

Product Features

- Modular design for configuration flexibility
- In-band Web-based management interface
- SNMP, Telnet, Web-based, Console management
- Supports port-based 802.1p QoS function
- Supports port-based and 802.1Q Tag-based VLAN
- Supports 802.1x port-based authentication
- Supports flow control for full-duplex operation
- Supports back-pressure for half-duplex operation
- Supports port ingress and egress rate control function
- Supports packet storm control function
- Supports 802.1D Spanning Tree Protocol
- Supports RMON agent
- Supports multicasting through IGMP Snooping
- Supports port-trunking and load sharing for high bandwidth
- Supports static and dynamic MAC address limit function
- Supports flood control
- Supports wire speed store-and-forward switching
- Supports port-mirroring function



Technical Specifications

Standards:	IEEE 802.3, 802.3ab, 802.3u, 802.3z, 802.1D, 802.1p, 802.1Q, 802.1x
Network Ports:	(3) x 8-Port Fast Ethernet Module Slots (10/100Base Copper or 100Base Fiber) (2) x 1-Port Gigabit Ethernet Slots (1000Base Copper or 1000Base Fiber)
Copper Ports:	Shielded RJ-45, 10/100Mbps, auto-negotiation, auto-MDI/MDI-X
Fiber Port:	Fast Ethernet 100Base Full-Duplex Operation
Cables:	10Base-T: Cat3, 4, 5 or higher (100 meters max.) 100Base-TX: Cat5 or higher (100 meters max.) 1000Base-T: Cat5 or higher (100 meters max.) 1000Base-FX: Multi-Mode or Single-Mode Fiber Optic Cable
MAC Addresses:	Table with 8K entries
Flow Control:	IEEE 802.3x pause frame based for full-duplex, back-pressure for half-duplex
Forwarding Speed:	Max. 148,810 pps on 100Mbps ports Max. 1,488,100 pps on Gigabit ports
Trunking Function:	Port-based Trunking - (2) Fast Ethernet groups and (1) Gigabit group max.
QoS Function:	4-level priority - Priority classifications: Port-based, 802.0p based
VLAN Function:	Port-based VLAN, 802.1Q Tag-based VLAN GVRP support, 4094 VLAN support, 256 VLAN groups max.

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Technical Specifications Cont.

Port Rate Control:	Ingress rate, Egress rate, Broadcast storm rate, Flooding storm rate
Static MAC Security:	Static MAC address filter-in, filter-out per port basis
Port Access Control:	IEEE 802.1x authentication
Spanning Tree:	IEEE 802.1D compliant
IP Multicast:	IGMP Snooping support
Port Mirroring:	Mode options: Ingress/Egress traffic, SA/DA MAC traffic
RMON Support:	RFC1757 group 1,2,3,9
Management:	Out-of-band console In-band SNMP and Trap, Web, Telnet CLI interfaces
LED Indication:	Unit: Power Status Port: Link/Activity Status, Full-Duplex/Collision Status
Dimensions:	17.34 x 10 x 1.74 inches (19" Rack Mountable)
Power:	100 - 240VAC, 50 - 60Hz
Environment:	Operating Temperature: 0° C ~ 50° C Relative Humidity: 10% ~ 90% non-condensing

Model	# of Ports	Speed	Media Type	Connector	Cable Type	Distance
S71090A Chassis	3-Slots	-	-	-	-	-
S71890A	8	10/100Mbps	Copper	RJ-45	Cat3, 4, 5 or Higher	100m
S71893A	8	100Mbps	MM Fiber	ST	MM 62.5/125μ	2 km
S71894A	8	100Mbps	MM Fiber	SC	MM 62.5/125μ	2 km
S71895A	8	100Mbps	SM Fiber	SC	SM 9/125μ	20 km
S71190A	1	1000Mbps	Copper	RJ-45	Cat6	100m
S71194A	1	1000Mbps	MM Fiber	SC	MM 62.5/125μ	220m
S71195A	1	1000Mbps	SM Fiber	SC	SM 9/125μ	10 km

