



KEY FEATURES

- Modular Switch with management, three 8-port TX or FX module ports and two gigabit module ports
- Combinations include 24*TX+2G or 16*TX+8*FX+2G or 8*TX+16*FX+2G or 24*FX+2G
- Prevents packet loss with back pressure and IEEE 802.3x flow-control
- SNMP, Telnet, Web-based, Console management support
- Quality of Service (QoS) provides Port-based, Tag-based and ToS-based priority, DiffServ, TCP/IP logical port priority, transmit priority and rate/bandwidth control
- Port-based/802.1Q tag VLAN, 256 VLANs max in one switch, supports GVRP function
- Supports IEEE 802.1D Spanning Tree Protocol
- Supports RMON agent
- Supports multicasting through IGMP Snooping
- Supports port trunking and load sharing for high bandwidth links between switches
- Supports static and dynamic MAC address limit function on each connection
- Supports flooding control
- Supports configuration file back-up and download
- 19” rack-mountable

SPECIFICATIONS

Standards	802.3 10BaseT 802.3x Flow Control 802.1D Spanning Tree	802.3u 100BaseTX/FX 802.3z 1000BaseSX	802.3 Auto-Negotiation 802.1P/Q Tagged VLAN
Connector	TP Port: Shielded RJ-45 jack FX Port: ST (100BaseFX) or SC (100BaseFX, 1000BaseSX or LX) Console Port: DB9		
MAC Address	8K entries		
Pocket Buffer	2M bytes		
Flash	1M bytes		
CPU Main Memory	4M bytes		
LED Indicators	Per Port: Link/Act./Speed (10/100), Full Duplex/Collision Status, Fault Unit: Power Status		
Filtering Rate	Full line speed		
Forwarding Speed	Max. 148,810 pps on 100Mbps ports Max. 1,488,100 pps on 1000Mbps ports		
Flow Control	Back pressure for half duplex		
Trunking Function	Port-based trunking 2 Fast Ethernet Groups and 1 Gigabit Ethernet Group		
QoS Function	4-level priority Priority classifications - Port-based, 802.1p-based		
VLAN Function	Port-based VLAN, IEEE 802.1Q Tag-based VLAN, GVRP support, 4094 VLAN support, 256 groups max.		
Port Rate Control	Ingress rate, Egress rate, Broadcast storm rate, Flooding storm rate		
Port Access Control	IEEE 802.1x authentication		
Port Mirroring	Mode options: Ingress/Egress traffic, SA/DA MAC traffic		
Static MAC Security	Static MAC address filter-in, filter-out port basis		
Spanning Tree	IEEE 802.1D compliant		
IP Multicast	IGMP Snooping support		
RMON Support	RFC1757 group 1,2,3,9		
Environment	Temperature: 0° to 50° C Relative Humidity: 5% to 95% non-condensing		
Dimension	17.34 x 10 x 1.74 in. (440 x 254 x 44 mm)		
Power	110 – 240 VAC, 50/60Hz		





SOFTWARE

Management	In-Band: Web-based, SNMP, Telnet Out-Band: RS-232 Console
SNMP Agent	MIB II (rfc 1213), Bridge MIB (rfc 1493), RMON MIB (rfc 1757, Group 1, 2, 3, 9) VLAN MIB (802.1Q), Private MIB
Spanning Tree	IEEE 802.1D
VLAN	Port-based/802.1Q tag VLAN, 128 VLAN max in one switch, w/ GVRP
Trunking	Support three trunking groups (Including one gigabit port group)
IGMP	IP Multicast Filtering by passively snooping on the IGMP Query
Quality of Service	Provides Port-base, Tag-base and ToS-base priority, DiffServ, TCP/IP Logical port priority, transmit priority and rate/bandwidth control
Internal Routing	RIP/RIP-2/DHCP-Relay
Security	Support static MAC address filter and static/dynamic MAC address limit
Upgrade	TFTP from Network, Kermit from Console

<u>Model</u>	<u>Speed</u>	<u>Mode</u>	<u>Connector</u>	<u>Ports</u>	<u>Cable</u>	<u>Distance</u>
S71090A	(Chassis)	-	-	-	-	-
S71890A	10/100 Mbps	-	RJ-45	8	10BaseT Cat. 3,4, or 5 UTP	100m
S71893A	100 Mbps	MM	ST	8	1300nm, MM, 62.5/125µm	2 Km
S71894A	100 Mbps	MM	SC	8	1300nm, MM, 62.5/125µm	2 Km
S71895A	100 Mbps	SM	SC	8	1300nm, SM, 9/125µm	15 Km
S71190A	1000 Mbps	-	RJ-45	1	1000BaseT Cat. 6 UTP	100m
S71194A	1000 Mbps	MM	SC	1	850nm, MM, 62.5/125µm	220m
S71195A	1000 Mbps	SM	SC	1	1300nm, SM, 9/125µm	10 Km