













24-port Ethernet + 2 TP/SFP Gigabit Dual Media Layer2 Managed Switch







Features >>>>

- 2 Dual Media for Flexible Fiber Connection
- Supports Q-in-Q (Double-tag)
- IEEE802.1X Access Control improves network security
- Unknown Unicast/Broadcast/Multicast storm control
- IP-MAC-port binding for LAN security
- ACL Based on Ethernet Type/ARP/IPv4 for packets permit or Multicast VLAN management for IPTV deny, rate limitation and port copy
- Supports LLDP (Link Layer Discovery Protocol) provides a standards-based method for enabling switches to advertise themselves.
- Port Mirroring helps supervisor monitoring network
- IEEE802.1Q tag-based VLAN for performance & security
- IEEE802.1D Compatible, IEEE802.1w Rapid Spanning Tree & IEEE802.1s
- Multiple Spanning Tree
- QCL Based on Application traffic for QoS and rate
- Supports DHCP snooping (DHCP option 82)
- Supports "power saving" for Green Ethernet requirement
- Supports IGMPv3 snooping and IGMP Proxy

Introduction

MSM-6226 is a L2 Managed Switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet and Ethernet specifications. It provides 24 Fast Ethenret ports (10/100 Mbps TP) and 2 Gigabit dual media ports with TP/SFP (or GBIC).

The switch can be managed through RS-232 serial port via direct connection, or through Ethernet port using Telnet or Web-Based management unit, associated with SNMP agent. With the SNMP agent, the network administrator can logon the switch to monitor, configure and control each port activity in a friendly way. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications. In addition, the switch features comprehensive and useful function such as DHCP Option 82, QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON and IGMPv3 Snooping capability via the intelligent software. It is suitable for both Metro-LAN and office application.

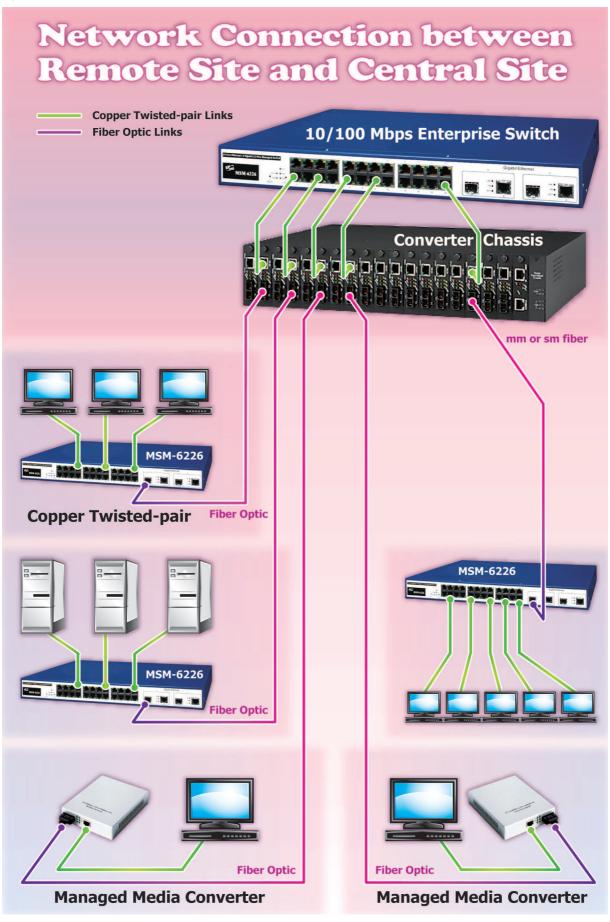
The switch also supports the power saving to reduce the power consumption with Power Management technique. It could efficiently saving the switch power by auto detect the client idle and cable length.

Specifications

advertise themselves. MAC Addresses 8192 Processing Type Non-blocking, store-and-forward and shared-memory L2 managed switch Memory Bandwidth 8.8 Gbps Frame Buffer Memory Embedded 256 KB packet buffers and 128 KB control memory Backpressure flow control for half duplex 802.3x flow control for full duplex Protocol VLAN, QoS, Port Trunk, SMTP, TELNET, SNMP, IGMP, IEEE802.1X, LLDP Interface R3-45 Ports 24-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Gigabit Ethernet ports with non-blocking wise speed performance. SFP 2-port 1000 Mbps SFP Fiber Module Dual Media Auto Detection LED Indicators CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Voc Isolation COM1 R5-232 (TxD, RxD and GND); Non-isolated EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-6, IEC-61000-4-8, IEC-6100 Power Input Voltage Range +100 Vac ~ +240 Vac Power Consumption 15 W Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6.6 A ~ 10 A); Short Circuit Protection	-		
Port Mirroring helps supervisor monitoring network Improves Q-in-Q (Double-tag) IEEE802.1Q tag-based VLAN for performance & security and 4094 VLAN entries IEEE802.1D Compatible, IEEE802.1m Rapid Spanning Tree & IEEE802.1s Multiple Spanning Tree Unknown Unicast/Broadcast/Multicast storm control Multicast VLAN management for IPTV IP-MAC-port binding for LAN security QCL Based on Application traffic for QoS and rate limitation management Supports IGMPV2 snooping and IGMP Proxy Supports Topover saving "for Green Ethernet requirement Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports Type Supports Type/RAP/IPV4 for packets permit or deny, rate limitation and port copy Supports TubP (Link Layer Discovery Protocol) provides a standards-based method for enabling swite advertise themselves. 8192 Processing Type Non-blocking, store-and-forward and shared-memory L2 managed switch Memory Bandwidth 8.8 Gbps Frame Buffer Memory Embedded 256 KB packet buffers and 128 KB control memory Backpressure flow control for half duplex 8.2 3x flow control for half duplex 9.2 3x flow control for half duplex 9.2 2x flow control for half duplex 9.2 4-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Gigelit Ethernet ports with non-blocking wise speed performance. 9.2 4-port 10/100 Base-TX auto negotiation speed, F/H duplex mod	lechnology lechnology		
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Round Control 802.3x flow control for full duplex	rame Buffer Memory		
Protocol VLAN, QoS, Port Trunk, SMTP, TELNET, SNMP, IGMP, IEEE802.1X, LLDP Interface RJ-45 Ports 24-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Gigabit Ethernet ports with non-blocking wise speed performance. SFP 2-port 1000 Mbps SFP Fiber Module Dual Media Auto Detection CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Voc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-6100 Power Input Voltage Range +100 Vac ~ +240 Vac Power Consumption 15 W Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6.5 A ~ 10 A); Short Circuit Protection	Flow Control	Backpressure flow control for half duplex	
Interface RJ-45 Ports 24-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Gigabit Ethernet ports with non-blocking wise speed performance. SFP 2-port 1000 Mbps SFP Fiber Module Dual Media Auto Detection CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Vbc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-8, IEC-61000-4-8, IEC-61000-4-2, IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-61000-4-8, IEC-61000-4-9, IEC-61000-4-6, IEC-61000-4-8, IEC-61000-4-8, IEC-61000-4-9, IEC-61000-4-9, IEC-61000-4-8, IEC-61000-4-9, IEC-61000-4-		802.3x flow control for full duplex	
RJ-45 Ports 24-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection Gigabit Ethernet ports with non-blocking wise speed performance. SFP 2-port 1000 Mbps SFP Fiber Module Dual Media Auto Detection CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Vbc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements:	rotocol	VLAN, QoS, Port Trunk, SMTP, TELNET, SNMP, IGMP, IEEE802.1X, LLDP	
Gigabit Ethernet ports with non-blocking wise speed performance. SFP 2-port 1000 Mbps SFP Fiber Module Dual Media Auto Detection CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Vbc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-8, IEC-6100 Power Input Voltage Range +100 Vac ~ +240 Vac Power Consumption 15 W Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	interface		
LED Indicators CPURUN, POWER, ACT, FDX, SPD Ethernet Isolation 2 K Vbc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-6100 Power Input Voltage Range +100 Vac ~ +240 Vac Power Consumption 15 W Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	ਪ-45 Ports	24-port 10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection and 2 Gigabit Ethernet ports with non-blocking wise speed performance.	
Ethernet Isolation 2 K Voc Isolation COM1 RS-232 (TxD, RxD and GND); Non-isolated EMS Requirements:	SFP		
COM1 RS-232 (TxD, RxD and GND); Non-isolated Frame Ground for EMS Protection EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-61000-4-8, IEC-61000-4-9,	.ED Indicators		
Frame Ground for EMS Protection EMS Requirements: IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-6100 Power Input Voltage Range	thernet Isolation		
Frame Ground for EMS Protection IEC-61000-4-2, IEC-61000-4-3, IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8,	COM1	RS-232 (TxD, RxD and GND); Non-isolated	
Input Voltage Range +100 Vac ~ +240 Vac Power Consumption 15 W Protection Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	ame Ground for EMS Protection		
Power Consumption 15 W Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	Power		
Protection Over-Voltage Protection (Spec.: 6.5 V+/-0.7 V); Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	input Voltage Range		
Over-Current Protection (Spec.: 6 A ~ 10 A); Short Circuit Protection	Power Consumption		
Frame Ground for EMS Protection Yes	Protection		
1.55	Frame Ground for EMS Protection	Yes	
Mechanical	4echanical		
Casing Metal	Casing	Metal	
Environmental Rating IP20	invironmental Rating	IP20	
Dimensions (W x L x H) 442 mm x 209 mm x 44 mm	Dimensions (W x L x H)	442 mm x 209 mm x 44 mm	
Installation Installing Chassis to a 19-Inch Wiring Closet Rail; No Wall mounting	installation	Installing Chassis to a 19-Inch Wiring Closet Rail; No Wall mounting	
Environmental	Invironmental		
Operating Temperature	Operating Temperature	-10 °C ~ +60 °C	
Storage Temperature -10 °C ~ +70 °C	Storage Temperature		
Ambient Relative Humidity 5% ~ 90% RH, non-condensing	Ambient Relative Humidity		

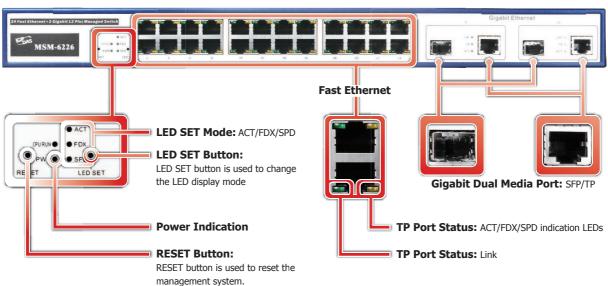


Applications

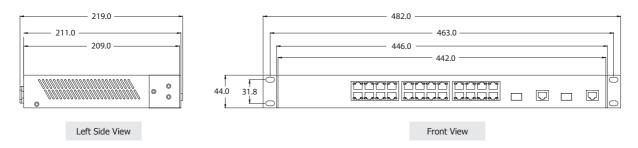


Appearance





Dimensions (Units: mm)



Ordering Information

MSM-6226 CR	24-port Ethernet + 2 TP/SFP Gigabit Dual Media Layer2 Managed Switch.
14314-0220 CR	(include 9-Pin Female-Female D-sub cable, 1.8 M Cable and Power Cord)

Accessories

	SFP-1G85M-SX	Multi-mode 850 nm, 0.5 km SFP module
	SFP-1G13M-SX2	Multi-mode 1310 nm, 2 km SFP module
	SFP-1G13S-LX	Single-mode 1310 nm, 10 km SFP module
	SFP-1G13S-LX20	Single-mode 1310 nm, 20 km SFP module
	SFP-1G13S-LHX	Single-mode 1310 nm, 40 km SFP module
	SFP-1G15S-XD	Single-mode 1550 nm, 60 km SFP module