

KS-2260



24-Port Managed Switch with Optional Fast Ethernet & Gigabit Modules

Key Features :

- Provides 24 10/100Mbps managed Fast Ethernet ports and 2 Giga expansion port slots
- Provides two alternative 100Base-FX port slots for fiber connections
- Non-blocking and store-and-forward switch engine performs forwarding and filtering at full wire speed.
- Supports diversified optional Giga port modules for selection including 10/100/1000 copper type and fiber type
- Each TP port supports auto-negotiation and auto-MDI/MDI-X detection
- Provides speed, duplex, and flow control configuration
- Provides per-port Egress/Ingress data rate control function
- Provides broadcast storm filtering function
- Provides IEEE 802.3ad port trunking function with up to 7 trunks
- Supports input-port-based, output-port-based, and input-output-pair-based Sniffer function
- Provides static MAC address and filtering MAC address configuration
- Provides ingress port security function
- Provides bridging delay bound control function
- Supports Ethernet frame length up to 1568 bytes
- Supports auto-aging with configurable inter-age time
- Supports port-based VLAN and IEEE 802.1Q tag-based VLAN
- Supports IEEE 802.1v protocol-based VLAN classification
- Supports port-based priority and IEEE 802.1p CoS with 2-level priorities
- Supports IEEE 802.1s Multiple Spanning Tree
- Supports IP Multicasting
- Supports in-band telnet/SNMP/Web/SNMP Trap managements and out-of-band direct console management
- 19-inch rack mountable
- Support IEEE 802.3x flow control for full-duplex mode and backpressure flow control for half-duplex mode

Specifications:

10/100 Switched Ports	Port 1 ~ 24, Total : 24 ports IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX compliant Shielded RJ-45 with auto MDI-X detection
Port 23, 24 Alternatives	100Base-FX connectivity, Expansion module slots
Giga Switched Ports	2 Expansion Slots, G1, G2 IEEE 802.3z and IEEE 802.3ab compliant Supports optional 10/100/1000 Gigabit copper module Supports optional Gigabit Fiber modules
Console Port	RS232, DTE, DB9 Baud : 38400, N, 8, 1, 0, No flow control
Port Control Function	Port enable/disable, Auto-negotiation function, Flow control function Ingress data rate, Egress data rate, Port security (MAC learning function)
Flow Control Methods	IEEE 802.3x pause frame based for full-duplex Backpressure for half-duplex mode

Forwarding speed	Max. 148,810 pps on 100M switched ports Max. 1,488,100 pps on Gigabit switched ports
Trunking Function	IEEE 802.3ad compliant Per trunk mode : Static or LACP Up to 7 trunk groups (trunk ports) Each is composed of up to 4 ports
Port Mirroring/Sniffing	One sniffer port (any one among 26 ports) Up to 25 monitored ports 3 mode options - Tx / Rx / Tx+Rx traffic
MAC address aging time	control options - 300 ~ 765 seconds
MAC Address Table	6K entries for Auto-learned unicast addresses and Static unicast/multicast addresses
Broadcast Storm Filtering	Threshold options - 5%, 10%, 15%, 20%, 25%
Filtering MAC Address	Destination address-based filtering
Network Access Control Function	IEEE 802.1X protocol support for all ports Radius client configuration Per port mode - Auto, Fu, Fa, No
QoS Function	2-level (High/Low) priority for Tx queues Settable Tx High/Low service ratio
Priority Decision Method	First - Port-based priority Second - IEEE 802.1p Priority (Tag priority value)
VLAN Function	Mode options if enabled - Port-based VLAN IEEE 802.1Q Tag-based VLAN
Port-based VLAN	Max. 26 VLAN groups VLAN-tagging is ignore No tag modification for tagged packets
IEEE 802.1Q VLAN	Max. 256 VLAN groups
- VLAN ID	2 ~ 4094
- Member port mode	Outgoing : Tagged, Untagged
- GVRP	IEEE 802.1Q compliant (GARP 802.1P compliant)
- Protocol classification	IEEE 802.1v compliant
IP Multicasting Table	256 multicast address root entries
LEDs	Per Unit: Power 10/100 Port: Link/Act status, Speed status, Duplex/Collision status Giga Port: Link/Act status, Duplex/Collision status
Dimension	443 x 245 x 43 mm

Power	100 - 240VAC, 50-60Hz
Power Consumption	26 watts (max.)
Approval	FCC Part 15 Class A, CE / CISPR Class A
Environment	Operating Temperature : 0° to 50° C Storage Temperature : - 40° to 85° C Relative Humidity: 10% to 90% non-condensing
Management	In-band SNMP over TCP/IP network In-band Web browser over TCP/IP network In-band Telnet over TCP/IP network Out-of-band via Console port SNMP Traps over TCP/IP network

Ordering information:

Base Unit: KS-2260 24-Port 10/100 Managed Switch
Fast Ethernet & Gigabit Modules:

Model	Conn.	Cable	Wavelength	Tx Power	Rx Sensitivity	Distance Max.
KS-2260-GT	RJ-45	Cat.5e				100m
KS-2260-SXC	SC	MMF 62.5/125µm	850nm	-9.5~ -4dBm	-17(sensitivity)	220m
		MMF 50/125mm			~ 0 dBm	500m
KS-2260-SXL	LC	MMF 62.5/125µm	850nm	-9.5~ -4dBm	-17(sensitivity)	220m
		MMF 50/125µm			~ 0 dBm	500m
KS-2260-LXC	SC	MMF 62.5/125µm	1310nm	-11~ -3dBm	-22(sensitivity)	550m
		MMF 50/125µm			~ -3 dBm	550m
		SMF 9/125µm				10km
KS-2260-FMT	ST	MMF	1310nm	-19~ -14dBm	-31dBm	2km
KS-2260-FMC	SC	MMF	1310nm	-19~ -14dBm	-31dBm	2km
KS-2260-FJM	MT-RJ	MMF	1310nm	-19~ -14dBm	-31dBm	2km
KS-2260-FVM	VF-45	MMF	1310nm	-20~ -14dBm	-31dBm	2km
KS-2260-FSA2	SC	SMF	1310nm	-15~ -8dBm	-31dBm	20km
KS-2260-SFP	Depends on the installed pluggable fiber transceiver					

*1 : MMF - Multimode Fiber cable 50/125, 62.5/125 µm

*2 : SMF - Single Mode Fiber cable 8.7/125, 9/125, 10/125 µm



FCC Part 15, Class A
CISPR 22 Class A

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