



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

Product Highlights:

- 24 10/100Mbps ports
- 2 100FX expansion slots
- 2 Gigabit expansion slots
- Port control function
- Port mirroring function
- Port rate control function
- Static/802.3ad LACP function
- Port/802.1p/DSCP QoS
- Port-based/802.1Q/GVRP VLAN
- Protocol VLAN classification
- STP support
- IP Multicasting
- IGMP snooping function
- Port security function
- 802.1x authentication
- Console/SNMP/web/trap management

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 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
- Supports Port Sniffer mirroring function
- Provides static MAC address and filtering MAC address configuration
- Provides ingress port security function
- Supports Ethernet frame length up to 1568 bytes
- 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 IP Multicasting
- Supports IEEE 802.1x Port-based authentication
- Supports telnet/SNMP/Web/SNMP Trap managements and direct console management
- Support IEEE 802.3x flow control for full-duplex and backpressure flow control for half-duplex

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 and 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 (Link aggregation)	IEEE 802.3ad compliant Per trunk mode : Static or LACP, 7 groups max., 4 ports/group max.
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 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	IEEE 802.1X protocol support for all ports
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 ignored , 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 (19" rack mount Support)
Power	100 - 240VAC, 50-60Hz, 26 watts (max.)
Approval	FCC Part 15 Class A, CE / CISPR Class A
Environment	Operating Temperature : 0°C ~ 50°C Storage Temperature : - 40°C ~ 85°C Relative Humidity: 10% ~ 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

Optional Module Ordering information:

Model	Conn.	Cable	Wavelength	Tx Power	Rx Sensitivity	Distance
KS-2260-G	RJ-45	Cat.5e				100m
KS-2260-SXC	SC	MMF 62.5/125µm MMF 50/125mm	850nm	-9.5~ -4dBm	-17(sensitivity) ~ 0 dBm	220m 500m
KS-2260-SXL	LC	MMF 62.5/125µm MMF 50/125µm	850nm	-9.5~ -4dBm	-17(sensitivity) ~ 0 dBm	220m 500m
KS-2260-LXC	SC	MMF 62.5/125µm MMF 50/125µm SMF 9/125µm	1310nm	-11~ -3dBm	-22(sensitivity) ~ -3 dBm	550m 550m 10km
KS-2260-LXC40	SC	SMF	1550nmDFB	-5~ 0dBm	-24(sensitivity) ~-3dbm	10~50km
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-FSL2	SC	SMF	1310nm	-15~ -7dBm	-32dBm	30km
KS-2260-SFP	Depends on the installed pluggable fiber transceiver					



FCC Part 15, Class A
CISPR 22 Class A

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