



# KS-2102



## Managed 8-Port 10/100 Ethernet Switch with 1 Gigabit Port and 1 mini-GBIC Port

### Product Highlights:

- 8 10/100Mbps ports
- 1 10/100/1000Mbps port
- 1 mini-GBIC port
- Port control, mirroring, trunking function
- Port/802.1p QoS
- Port-based/802.1Q VLAN
- STP support
- IGMP snooping function
- Port security function
- 802.1x authentication
- SNMP/web/telnet/console management

### Key Features :

- 8 10/100M ports support auto-negotiation and auto-MDI/MDI-X configuration
- 1 10/100/1000M Gigabit copper port supports auto-negotiation and auto-MDI/MDI-X configuration
- 1 mini-GBIC (SFP) port supports optional fiber transceiver for Gigabit fiber connection
- Provides wire speed store-and-forward switching
- SNMP, telnet, Web management support
- Supports IEEE 802.3x flow control for full-duplex and Back-pressure flow control for half-duplex
- Provides port-based, 802.1Q tag-based VLAN function
- Provides port-based, 802.1p-based QoS function
- Supports IGMP snooping
- Supports Spanning Tree Protocol
- Supports IEEE 802.1x Port-based authentication
- Provides static MAC address configuration and port security function
- Provides port trunking and mirroring functions

### Specifications:

Standards	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3z 1000Base-T IEEE 802.3ab, IEEE 802.1x, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p
Number of Ports	8 10/100Mbps Fast Ethernet ports - auto-negotiation, auto-MDI/MDI-X 1 10/100/1000Mbps Gigabit port - auto-negotiation, auto-MDI/MDI-X 1 mini-GBIC port - supports optional SFP fiber transceivers
MAC Address	4K entries
Max. Packet Size	1536 bytes
Flow Control	IEEE 802.3x pause frame based for full-duplex, Backpressure for half-duplex
Forwarding speed	Max. 148,810 pps on 100M ports, Max. 1,488,100 pps on Gigabit ports
Trunking Function	Port-based and MAC-based trunking, 4 groups max., 8 ports/group max.
Port Mirroring	Mode options - Tx / Rx or MAC SA DA base traffic
QoS Function	2-level (High/Low) priority for Tx queues, Settable Tx High/Low service ratio Priority Decision - Port-based, IEEE 802.1p Priority
VLAN Function	Port-based VLAN - 10 groups IEEE 802.1Q Tag-based VLAN - 512 groups
Spanning Tree	IEEE 802.1D compliant
Port Access	IEEE 802.1x authentication security control for all ports
IGMP Snooping	Supports 256 groups max.
Dimension	250 x 117 x 35 mm (19" rack mount Support)
Power	100 - 240VAC, 50-60Hz
Approval	FCC Part 15 Class A, CE / CISPR Class A
Environment	Operating Temperature : 0° ~ 50° C Relative Humidity: 5% ~ 95% non-condensing



FCC Part 15, Class A  
CISPR 22 Class A

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