



# KS-2601-B



## Managed 24-Port Modular L2 Fast Ethernet Switch with 2 Gigabit Combo Ports

### Product Highlights:

- 3 FE 8-port module slots
- Port mode, Rate control
- Port mirroring
- Port trunking, LACP
- 802.1p Class of Service
- Port/802.1Q/GVRP VLAN
- RSTP, STP support
- IGMP snooping function
- MAC Security
- 802.1x function
- RMON support
- Configuration backup and download
- Firmware upgradable
- Console/Telnet/Http/Https/SNMP management

### Key Features:

- Three modular design with 3 8-port Fast Ethernet module slots and 2 Gigabit combo ports
- Optional modules - 8-port 10/100TX, 8-port 100FX modules
- Provides wire speed store-and-forward switching
- SNMP, Telnet, Web, Console management support
- Supports IEEE 802.3x flow control for full-duplex operation
- Supports Back-pressure flow control for half-duplex operation
- Provides port ingress and egress rate control function
- Provides packet storm control function
- Provides port-based, 802.1Q tag-based VLAN function with GVRP support
- Support IEEE 802.1p Class of Service with 4-level priority queuing
- Support IEEE 802.1x Port security function
- Supports Spanning Tree Protocol
- Support IEEE 802.3ad LACP link aggregation compliant
- Supports IGMP snooping
- Support Static Mac address access limit on port
- Support Limited Mac address number on port
- Support Loopback detection function
- Support DHCP client function
- Support RMON 1,2,3,9
- Supports configuration file backup and download

### 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	3 x 8-port Fast Ethernet module slots Optional modules: 8-port 10/100Base-TX, 8-port 100Base-FX 2 x fixed Gigabit Ethernet combo ports Fixed ports: 10/100/1000Base-T copper ports or 1000Base-X SFP ports
Network Cables	10Base-T: Cat. 3, 4, 5 UTP or higher up to 100m 100Base-TX: Cat. 5 UTP or higher up to 100m 1000Base-T: Cat. 5, 5e UTP or higher up to 100m 1000Base-X: Multimode or single mode fiber cables
MAC Address	8K entries
Flow Control	IEEE 802.3x pause frame based for full-duplex Backpressure for half-duplex mode
Forwarding speed	Max. 148,810 pps on 100Mbps ports Max. 1,488,100 pps on 1000Mbps ports
Trunking Function	Static, LACP 14 groups max.
QoS Function	4-level priority Port-based, 802.1p-based, DSCP priority operation



VLAN Function	Port-based VLAN, IEEE 802.1Q Tag-based VLAN, Metro mode, GVRP support, 1024 groups max.
Port Rate Control	Ingress rate, Egress rate
Storm Control	Broadcast, Multicast, and Unicast Storm Control
MAC Security	Static Mac address access limit on port, and Dynamic Mac address number limit on port
Port Access Control	Port-based/Mac-based Authentication mode and Transparent modes
Spanning Tree	RSTP, STP protocol
IP Multicast	IGMP Snooping support
Port Mirroring	Mode options - Ingress/Egress traffic, DA/SA filtering
RMON	Support RFC1757 group 1,2,3,9
Management	Out-of-band: Console In-band: Telnet, Http/Https, SNMP
LEDs	Unit: power status Per port: link/activity status, full-duplex/collision status
Dimension	430 x 254 x 44 mm (19" rack mountable)
Power	100 - 240VAC, 50-60Hz
Environment	Operating Temperature: 0°C ~ 50°C Relative Humidity: 10% ~ 90% non-condensing
Approval	FCC Part 15 Class A, CE/CISPR Class A



FCC Part 15, Class A  
CISPR 22 Class A

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**Optional Module Ordering Informations:**

Model Name	Description
KS-2601-B	24-Port Main Unit w/o any slide-in modules
NS-2601-8T	8-Port 10/100Base-TX slide-in module
NS-2601-8MC	8-Port 100Base-FX SC slide-in module (Multimode)
NS-2601B-8MT	8-Port 100Base-FX ST slide-in module (Multimode)
NS-2601-8SL2	8-Port 100Base-FX SC slide-in module (SMF 20km)
NS-2601-8W3520-A	8-Port 100Base-FX Bi-Di SC slide-in module (Tx 1310 Rx 1550nm SMF 20km)
NS-2601-8W5320-A	8-Port 100Base-FX Bi-Di SC slide-in module (Tx 1550 Rx 1310nm SMF 20km)