



# KS-1080



## Managed 8-Port 10/100 Fast Ethernet Switch with PoE Function and Fiber Connectivity

### Product Highlights :

- 4 PoE PSE 10/100M ports
- 2 typical 10/100M ports
- 2 100FX port slots
- SNMP/Web/Telnet management
- Port-based, 802.1Q VLAN
- Port, 802.1p, DSCP, IP network based QoS

### Ordering Information :

Model KS-1080-xxx	Fiber Mode	Max. Distance
KS-1080-FMT	ST MMF	2km
KS-1080-FMC	SC MMF	2km
KS-1080-FJM	MT-RJ MMF	2km
KS-1080-FSA2	SC SMF	20km
KS-1080-FSL2	SC SMF	20km



FCC Part 15, Class A  
CISPR 22 Class A

### Katron Technologies Inc.

15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,  
Hsi-chih, Taipei Hsien, Taiwan.  
Tel : 886-2-2698-3878  
Fax : 886-2-2698-3873  
E-mail : kti@ktinet.com.tw  
URL : http://www.ktinet.com.tw

### KTI Networks Inc.

7400 Harwin Dr., Suite 120 Houston,  
Texas 77036 U.S.A.  
Tel : 713-266-3891  
Fax : 713-914-0555  
E-mail : kti@ktinet.com  
URL : http://www.ktinet.com

Trademarks : All brand names are trademarks or registered trademarks of their respective holders.  
This information is subject to change without prior notice.

### Key Features :

- 6 10/100M ports support auto-negotiation and auto-MDI/MDI-X configuration
- 4 10/100M ports provide PoE PSE functions
- 2 100FX fiber port slots support optional fiber modules
- Fiber modules support single mode fiber and multimode fiber connections
- Provides wire speed store-and-forward switching
- Supports IEEE 802.3x flow control for full-duplex operation and back-pressure for half-duplex
- Provides port-based, 802.1Q tag-based VLAN function
- Provides port-based, 802.1p, DSCP-based, and IP address QoS function
- Provides port configuration and PoE control
- SNMP, telnet, Web management support

### Specifications :

Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, 100Base-FX, IEEE 802.3af
Network Ports	6 10/100Mbps auto-negotiation, auto-MDI/MDI-X ports 2 100Mbps 100Base-FX port slots
Network Cables	10Base-T : Cat. 3, 4, 5 or higher up to 100m 100Base-TX : Cat. 5 or higher up to 100m 100Base-FX : MMF 50/125µm 60/125µm, SMF 9/125µm
PoE Function	IEEE 802.3af compliance PSE (power source) on Port 1 - Port 4 48VDC, 15.4W max. per port
VLAN function	Port-based, IEEE 802.1Q Tag-based
QoS function	Port-based, 802.1p-based, DSCP-based, network address-based
Management	SNMP MIB-II and private MIB, telnet, web, event traps
MAC Addresses	Table with 1K entries
LEDs	Per unit : Power Per 10/100M port : Link/Activity, 100M, Duplex/Collision status Per fiber port slot : Link/Activity status
Environment	Operating Temperature : 0°C ~ 40°C, Storage temperature: -20°C ~ 85°C Relative Humidity : 5% ~ 95% non-condensing
Dimension	295 x 160 x 43 mm (19" Rack mountable)
Power	100-240VAC, 50-60Hz, 87 watts max.(includes PoE full power supply)

### Fiber Optical Specification of Fiber Modules :

Model	FX & Cable	Wavelength	Tx Power	Rx Sensitivity	Max. Rx Power
KS-1080-FMT	ST MMF	1310nm	-19 ~ -14dBm	-31dBm	-14dBm
KS-1080-FMC	SC MMF	1310nm	-19 ~ -14dBm	-31dBm	-14dBm
KS-1080-FJM	MT-RJ MMF	1310nm	-19 ~ -14dBm	-31dBm	-14dBm
KS-1080-FSA2	SC SMF	1310nm	-15 ~ -8dBm	-31dBm	-7dBm
KS-1080-FSL2	SC SMF	1310nm	-15~-7dBm	-32dBm	-3dBm