



KS-115FM/KS-117FM



Web Smart Managed 5/7-Port 10/100 Fast Ethernet Switches with 1 Fiber Connection

Key Features:

- Complies with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX standards
- Each TP switched port supports auto speed sensing, auto-negotiation and auto MDI-X detection
- Full and half duplex operation for each TP switched port
- Supports a variety of fiber connectors such as ST, SC, MT-RJ, VF-45 and LC
- Self learning for active MAC addresses up to 2K entries
- Store and forward switching that only good packets are forwarded
- Forwarding and filtering at full wire speed
- Flow control for traffic congestion
- Broadcast packet storm protection
- Port-based priority QoS function
- IP-based DS-TOS QoS function
- IEEE802.1p tagged priority QoS function
- Comprehensive LED indicators

Management Features:

- Web-base interface for easy management
- DHCP support for IP configuration
- Static IP configuration if DHCP is not available
- Port status and configuration
- QoS configuration
- Security check for management login
- Remote boot

Specifications:

KS-115FMP1-P4	Port 1 ~ Port 4 Twisted-pair switched ports (TP ports)
KS-117FMP1-P6	Port 1 ~ Port 6 Twisted-pair switched ports (TP ports)
TP Port	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX std. Shielded RJ-45 jacks with Auto MDI-X detection Auto-negotiation capable Speed for 10Mbps or 100Mbps Full-duplex or half-duplex support
FX Port	IEEE802.3u 100BASE-FX compliant Fixed 100Mbps Full-duplex operation
Flow control	IEEE802.3x pause packet for full duplex operation Back pressure for half duplex operation



**FCC Part 15, Class A
CISPR 22 Class A**


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Cables	10BASE-T Cat. 3, 4, 5 or higher (100 meters max.) 100BASE-TX Cat. 5, 5e or higher (100 meters max.) 100BASE-FX multimode or single mode fiber cable
LED indicators	Power status TP ports : Speed, Link/Activity, Duplex/Collision status FX port : Link/Activity status
Filtering rate	14,880 pps for Ethernet (10BASE-T) 148,800 pps for Fast Ethernet (100BASE-TX)
Forwarding rate	14,880 pps for Ethernet (10BASE-T) 148,800 pps for Fast Ethernet (100BASE-TX)
Filtering address	Multicast/Broadcast/Unicast address
MAC address	2K entries
Aging time	300 seconds
Priority levels	2 outgoing priority queues (Ratio: High/Low = 4/1)
QoS mode	1. IP-TOS (First check) and 802.1p (second check) 2. Port-base priority method
Environment	Temperature: 0°C to 40°C Relative humidity: 10% to 90% non-condensing
Dimensions	144 mm x 100 mm x 26 mm (WxDxH) 5.67 x 3.94 x 1.02 inch
DC IN Power	Rating +7.5V min. 1A
DC IN Jack	D6.3mm —  + D2.0mm
Operating voltage	+6.5 ~ +12.5VDC(Device DC Input)
Power	Consumption 7W max. (w/h power adapter)

Ordering information:

Model	Connector	Wavelength	Tx optical power	Rx sensitivity
KS-115FMT	MM ¹ ST	1310nm	-20 ~ -14dBm	-31dBm
KS-115FMC	MMSC	1310nm	-20 ~ -14dBm	-31dBm
KS-115FMJM	MMMT-RJ	1310nm	-20 ~ -14dBm	-31dBm
KS-115FMVM	MM VF-45	1310nm	-20 ~ -14dBm	-31dBm
KS-115FML	MMLC	1310nm	-19 ~ -14dBm	-34dBm
KS-115FMSA2	SM ² SC	1310nm	-15 ~ -8dBm	-31dBm
KS-117FMT	MMST	1310nm	-20 ~ -14dBm	-31dBm
KS-117FMC	MMSC	1310nm	-20 ~ -14dBm	-31dBm
KS-117FMJM	MMMT-RJ	1310nm	-20 ~ -14dBm	-31dBm
KS-117FMVM	MM VF-45	1310nm	-20 ~ -14dBm	-31dBm
KS-117FML	MMLC	1310nm	-19 ~ -14dBm	-34dBm
KS-117FMSA2	SMSC	1310nm	-15 ~ -8dBm	-31dBm

*1 : Multimode fiber

*2 : Single Mode fiber



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