

KC-300S series



SNMP/Web Managed 10/100Base-TX to 100Base-FX Media Converters

Key Features:


- Complies with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX standards
- Each TP port supports auto-sensing, auto-negotiation and auto-MDI/MDI-X detection
- Supports full/half-duplex operation for TP port
- Supports a variety of fiber connectors such as ST, SC, Single fiber
- Flow control for traffic congestion
- Supports IEEE 802.3 packets, VLAN tagged packets conversion
- Supports packet length up to 1536 bytes
- Comprehensive LED indicators

Management Features:

- Direct console connection over an RS-232 cable
- Telnet management over TCP/IP network
- SNMP management over TCP/IP network
- Web browser management from Internet or Intranet over TCP/IP network
- SNMP trap over TCP/IP network
- Set and display IP parameters for the media converter
- Set and display SNMP parameters for the SNMP agent function
- Monitor all port status of the media converter
- Configure operating mode of the TP port
- Restore default settings
- Change administrator password for access control
- Update device software
- Reboot the device remotely

Specifications:

Management	In-band SNMP over TCP/IP network	
Interfaces	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	
Management	IPv4 IP version4	RFC791
Protocols	TCP Transmission Control Protocol	RFC793
	UDP User Datagram Protocol	RFC768
	ICMP Internet Control Message Protocol	RFC792
	SNMP SNMP agent v1	RFC1157
	MIB-II Standard MIB	RFC1213
	TFTP Trivial File Transfer Protocol	RFC1350
	Telnet Telnet protocol	RFC854
	HTTP HTTP server for web management	RFC1945

TP Port	IEEE 802.3 10Base-T, IEEE 802.3u 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	IEEE 802.3u 100Base-FX compliant Fixed 100Mbps Full-duplex operation
Console Port	RS-232 DTE, DB-9 male Baud Rate: Fixed 38400, N, 8, 1, 0, No flow control
Flow control	IEEE 802.3x pause packet for full-duplex operation Back pressure for half-duplex operation
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
LEDs	Power status, Diagnostic, Console 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)
Packet types	Support IEEE 802.3 packets, VLAN tagged packets
Packet length	Support length up to 1536 bytes
Environment	Operating Temperature: 0° to 45°C Relative Humidity: 10% to 90% non-condensing
Dimensions	144 x 100 x 26 mm (WxDxH)
DC IN Power	Rating +7.5V min. 1A
DC IN Jack	D6.3mm -  + D2.0mm
Operating voltage	+7.5VDC (+/-10%)(Device DC Input)
Power Consumption	Max. 0.5A @+7.5VDC(w/o Adapter)

Ordering information:

Model	Connector	Wavelength	Tx Power	Rx Sensitivity
KC-300S-MC	MM ST	1310nm	-19 ~ -14dBm	Min. -31dBm
KC-300S-SA2	SM SC	1310nm	-15 ~ -8dBm	Min. -31dBm
KC-300S-SF2	Single SC/APC	1310nm	-14 ~ -8dBm	Max. -25dBm

MM: Multimode fiber
SM : Single Mode fiber



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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: 713-266-3893
E-mail: kti@ktinet.com
URL: <http://www.ktinet.com>

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