



KC-10TF Series



10Base-T to 10Base-FL Media Converter

The KC-10TF series consists of three models of Ethernet media converters: KC-10TFT, KC-10TFC, KC-10TFS. These converters are designed to convert 10Base-T to/from 10Base-FL media type. The KC-10TF series supports three fiber media types: multimode ST, SC and single mode ST connectors respectively. All three models support convenient connection to either a straight-through or a cross-over cable on the UTP end. The KC-10 series converters are cost effective and easy solutions for use in a mixed cabling environment or in extending the network span to include a fiber optic backbone.

Key Features:

- Complies with 802.3 10base-T and 10Base-FL standards
- Provides media conversion from UTP to Fiber Optic media types
- Extends network span from 2km (multimode fiber) up to 14km (single mode)
- Provides a push button to set the crossover function for the TP port
- Interoperable with other 10Base media converters, 10Base, 10/100Base-T NICs, hubs or switches
- Provides LEDs for easy network monitoring
- Supports a variety of fiber optic connectors including duplex multimode ST, SC, and single mode ST

Specifications:

Standard	IEEE 802.3 Ethernet 10Base-T and 10Base-FL
Fiber Port	MM ^{*1} ST, MM SC, SM ST
Fiber Cable	MM 850nm 62.5/125µm fiber cable (max. distance: 2km) SM ^{*2} 1300nm 9/125µm fiber cable (max. distance: 14km)
TP Port	Shielded RJ45 jack
Cable	Cat. 5 UTP cable (100m max.)
LEDs	- Power status - Link and receive status for TP port - Link and receive status for fiber port
Environment	Temperature: 0° to 40° C Relative Humidity: 10% to 90% non-condensing
Dimension	101mm x 96mm x 25mm (3.98 x 3.78 x 0.98 inch)
Power	+12VDC, 800mA min.

Ordering Information

Model	Fiber Mode	Conn-ector	Max. Distance
KC-10TFT	MM ^{*1}	ST	2Km
KC-10TFC	MM	SC	2Km
KC-10TFS	SM ^{*2}	ST	14Km

*1: Multimode Fiber
*2: Single Mode Fiber



FCC Part 15, Class A
CISPR 22 Class A

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>

Katron Technologies Inc.

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

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