



# 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-10TFS12.

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 is a cost effective and easy solution for using in a mixed cabling environment or 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 12km (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 <sup>1</sup> ST, MM SC, SM ST	
Fiber Cable	MM 850nm 62.5/125µm fiber cable (max. distance: 2km) SM <sup>2</sup> 1300nm 9/125µm fiber cable (max. distance: 12km)	
TP Port	Shielded RJ-45 jack	
Cable	Cat. 3, 4, 5 UTP cable (100m max.)	
LEDs	- Power status - Link and receive status for TP port - Link and receive status for fiber port	
Environment	Operating temperature:	0° to 40° C
	Relative humidity:	10% to 90% non-condensing
Dimension	101 x 96 x 25mm (3.98 x 3.78 x 0.98inch)	
Power	+12VDC, 800mA min.	

### Ordering Information

Model	Fiber Mode	Connector	Max. Distance
KC-10TFT	MM <sup>1</sup>	ST	2Km
KC-10TFC	MM	SC	2Km
KC-10TFS12	SM <sup>2</sup>	ST	12Km

\*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

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