KTI NETWORKS

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

Ordering Information

Model	Fiber Mode	Conn-ector	Max. Distance
KC-10TFT	MM[*1]	ST	2Km
KC-10TFC	MM	SC	2Km
KC-10TFS12	SM[*2]	ST	12Km

*1: Multimode Fiber
*2: Single Mode Fiber

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: 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.

CE

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