

KC-10TF Series



10Base-T to 10Base-FL Media Converters

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 IEEE 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 fiber)
- 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 ST, MM SC, SM ST
Fiber Cable	MM 850nm 62.5/125µm fiber cable (max. distance: 2km) SM 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
Dimensions	101 x 96 x 25 mm
Power	+12VDC, 800mA min.

Ordering Information:

Model	Fiber Mode	Connector	Max. Distance
KC-10TFT	MM	ST	2km
KC-10TFC	MM	SC	2km
KC-10TFS12	SM	ST	12km

MM: Multimode Fiber
SM: Single Mode Fiber



FCC Part 15, Class B
CISPR 22 Class B

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