KTI NETWORKS

KC-100FM2

100Base-TX to 100Base-FX Media Converters

The KC-100FM2 100Base-TX to 100Base-FX converter is a Fast Ethernet media converter that converts 100Base-TX RJ-45 to 100Base-FX cabling via multimode ST, SC or single mode SC fiber optic connections. It protects the existing investment by providing both cabling flexibility and network distance flexibility. The KC-100FM2 is an ideal solution to interconnect networks on different floors, to connect separate buildings and to extend distances between servers and workgroups up to a maximum of 15 kilometers and speeds up to 200Mbps.

Key Features:

- ◆ Complies with 802.3u 100Base-TX and 100Base-FX standard
- ◆ Provides media conversion from UTP to multimode ST, SC or single mode SC media types
- ◆ Extends network span up to 15 km (49,500 feet)
- ◆ Auto-detection of half/full duplex mode
- ◆ Provides one additional cross-over TP jack for convenient uplink
- ◆ Interoperable with other 100Base-TX/FX hubs or switches
- ◆ Provides status LEDs for easily monitoring network activity
- ◆ Ideal connectivity solution for networks using a combination of UTP and fiber optic media types

SPECIFICATIONS

Model	KC-100FM2/T	KC-100FM2/C	KC-100FM2/S
Fiber mode	multimode	multimode	single mode
Wavelength	1300 nm	1300 nm	1300 nm
Connector	ST	SC	SC
Fiber cable*1	62.5/125 µm	62.5/125 µm	8/125 µm
Max. length*2	2 km	2 km	15 km

*1 Recommended fiber cable
*2 Maximum length for full duplex connection

TP ports	Shielded RJ45 (MDI and MDI-X)
Cable	Cat. 5 UTP Cable (100 m 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	118 mm x 74 mm x 25 mm (4.65 x 2.91 x 0.98 inch)
Power adapter	+12 VDC, 800 mA

CE

FCC Part 15, Class A
CISPR 22 Class A