

# KC-10 Series



## Ethernet Media Converter Series

The KC-10 Series consists of four models of Ethernet media converters: KC-10BM, KC-10FM/T, KC-10FM/C, KC-10FM/S. These converters are designed to provide Ethernet media type conversion from 10Base-2 to 10Base2 or from 10Base-T to 10Base-FL. The KC-10FM/T, KC-10FM/C and KC-10FM/S are 10Base-T to 10Base-FL converters with multimode ST, SC and single mode ST connectors respectively. The KC-10BM provides the

solution of connecting a thin coaxial bus topology network to a twisted pair star topology network. All four 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:

- ◆ Comply with IEEE 802.3 10Base-T, 10Base2 (KC-10BM), 10Base-FL (KC-10FM)
- ◆ Provide the following media type conversion: UTP-To-Coaxial (KC-10BM) and UTP-To-Fiber (KC-10FM)
- ◆ Provide network topology conversion from bus to star (KC-10BM)
- ◆ Extend network span up to 14 km/46,200 feet (KC-10FM/S)
- ◆ Support both straight-through and cross-over UTP cable via KC-10BM's MDI and MDI-X jacks, KC-10FM's MDI and MDI-X selector
- ◆ Provide status LEDs for easily monitoring network activity including Power, Link and Receive Status
- ◆ Ideal connectivity solution for network environment using a combination of either Coaxial/UTP or Fiber/UTP media types

KC-10FM



KC-10BM



## SPECIFICATIONS

Model	KC-10BM	KC-10FM/T	KC-10FM/C	KC-10FM/S
Fiber Mode	N/A	Multimode	Multimode	Single mode
Wave Length	N/A	850nm	850nm	1300nm
Fiber Connector	N/A	ST	SC	ST
Fiber Cable <sup>*1</sup>	N/A	62.5/125µm	62.5/125µm	9/125µm
Fiber Max. Length <sup>*2</sup>	N/A	2km	2km	14km
BNC Port	BNC female connector	N/A	N/A	N/A
BNC Cable	RG-58A/U Coaxial	N/A	N/A	N/A
BNC Max. Length	185m	N/A	N/A	N/A
TP Ports	Shielded RJ45 jack			
UTP Cable	Cat. 3, 4 or 5 UTP cable			
UTP Max. Length	100m			
MDI & MDI-X	Two RJ45 jacks	Selector	Selector	Selector
LEDs	Power, TP link, TP receive	Power, TP link & receive, Fiber link & receive	Power, TP link & receive, Fiber link & receive	Power, TP link & receive, Fiber link & receive
Environment	Temperature: Relative Humidity:	0° to 40° C 10% to 90% non-condensing		
Dimension	93 x 62 x 25mm (3.66 x 2.44 x 0.98 inch)	74 x 51 x 20mm (2.91 x 2.01 x 0.79 inch)	74 x 51 x 20mm (2.91 x 2.01 x 0.79 inch)	74 x 51 x 20mm (2.91 x 2.01 x 0.79 inch)
Power Adapter	+12VDC, 500mA min.	+12VDC, 500mA min.	+12VDC, 500mA min.	+12VDC, 500mA min.

\*1 Recommended fiber cable

\*2 Maximum length for full duplex connection

### Ordering information:

- ◆ **KC-10BM:** 10Base-T to 10Base2 media converter
- ◆ **KC-10FM/T:** 10Base-T to 10Base-FL multimode ST media converter
- ◆ **KC-10FM/C:** 10Base-T to 10Base-FL multimode SC media converter
- ◆ **KC-10FM/S:** 10Base-T to 10Base-FL single mode ST media converter



FCC Part 15, Class A  
CISPR 22 Class A