

ERMCO1N, 10BaseT to 10Base2 Media Converter Card



Product Description:

The ERMCO1N, designed to fit into ERM21C chassis, is a compact, cost-effective means for adapting existing Ethernet cabling to configure to network requirement changes. The IEEE 802.3 compatible ERMCO1N converts ThinNet signals to UTP (unshielded twisted pair), and vice-versa. The ERMCO1N is a highly robust design and is packaged in a rugged metal enclosure to ensure durability and reliability.

Media Interface:

UTP (10BaseT): RJ45 Modular 8-Pin female connector, with MDI/MDIX feature.

BNC (10 Base2): RG-58 ThinNet.

Installation:

Special consideration must be given to maximum segment lengths on each side of the ERMCO1N. It is recommended that IEEE 802.3 specifications for segment distances be adhered to: UTP (10BaseT) = 100m (300 ft.) ThinNet (10Base2) = 185m (555 ft.)

UTP Crossover Capability:

There are some applications in which the UTP segment may or may not be connected to the repeater. To provide maximum installation flexibility, the ERMCO1N features a UTP crossover switch that eliminates the need for a specially configured UTP crossover cable. This allows a repeater or non-repeater device to be attached to the UTP segment side. The slide switch is located next to the RJ45 connector and is accessible without opening the case.

Technical Specifications

Network Standards	Ethernet IEEE 802.3
Speed	10 Mbps
Power	5 VDC @ 0.3 A through ERM21C chassis
LEDs	Total 5: Link, Transmit, Receive, Collision & Power
Weight	0.4 lb (182.0 g)
Dimensions	3.3" x 2.1" x 0.75" (85 mm x 52.35 mm x 19.2 mm)
Environmental	Operating Temperature: 32 to 122F (0 to 50 C) Storage Temperature: -4 to 140F (-20 to 60 C) Relative Humidity: 5% to 90% (non-condensing)
Switches	1 Cross over – for RJ45 Connector
Connectors	1 Fully Shielded RJ45 & 1 BNC
Cabling	UTP maximum cable distance 100 meters Thin-net maximum cable distance 185 meters
EMI & Safety	FCC Class A, CE
Warranty	5 years

Ordering information: ERMCO1N, 10BaseT to 10Base2 Media Converter



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