

Features

- Family of models provides all 10Mb media combination types; all fiber connector types including multi-mode fiber-ST, multi-mode fiber-SC, single-mode fiber-ST
- Installs easily - simply attach cable segments to appropriate connectors on converter
- Provides diagnostic and network status information at a glance through a full set of LEDs
- Compact package, external power supply
- Rugged metal enclosure, three year warranty



Magnum™ 10Mb Media Converters offer a compact, cost-effective way to adapt a pre-existing Ethernet cabling configuration as network requirements change. Models are available for all media combinations and fiber connector types. They offer a graceful way to convert and transmit data among 10Mb twisted-pair, fiber, and thin coaxial network environments. They cost significantly less than full repeaters and can be used whenever media distance limitations will not be exceeded in the new environment. All units are compatible with Ethernet V 1.0 / 2.0 specifications and comply with IEEE 802.3 standards.

Magnum Media Converters are easy to install even in very tight spaces. Media cables are simply attached to the corresponding Media Converter ports. The units, which are smaller than a bar of soap, can be mounted vertically on an office wall or the side of a desk or cabinet. Furthermore, the LEDs are mounted in a beveled edge for viewing at any angle. The external power supply plugs into a nearby AC wall socket or power strip. Each converter has a full set of LEDs that convey essential diagnostic and status information.

Magnum Media Converters are designed for low-temperature operation over an extended period, and as a result, they are some of the most reliable in the industry. Their high-strength fabricated metal packaging shields against Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI). Like all Magnum Ethernet connectivity products, they are designed and manufactured in the USA and are backed by a three year warranty.

PERFORMANCE:

Data Rate: 10Mbps / second

OPERATING ENVIRONMENT:

Ambient Temperature:

32° to 120°F (0° to 50°C)

Storage: -20°C to 85°C

Ambient Relative Humidity: 10% - 95% (non-condensing)

PACKAGING:

Enclosure: High-strength sheet metal

Dimensions of units: 2.5 in D x 3.9 in W x 0.75 in H
(6.35 cm D x 9.9 cm W x 1.9 cm H)

Weight:

Units: 7oz (197 g)

Power Supply: 10oz (285 g)

Cooling Method: Convection

Rack-mount option - request quote for a rack-mount tray,
holds up to 12 units, all M.C. models mix-and-match

CONNECTORS:

RJ-45 Port: Shielded 8-Pin female, with up-link switch

BNC Port: Standard BNC connector, RG-58 ThinNet

Fiber Port: Fiber optic (standard ST or SC type),
10BASE-FL or single-mode

POWER SUPPLY (EXTERNAL):

Power Input Voltage: 95-125 vac at 60 Hz for "-d" models,
200-250 vac at 50 Hz for "-i" models that have IEC power
cable connector in the external power unit. Six foot DC
power cable. (Note: an optional -48vdc external power
unit is available)

Power Consumption: 6 watts max.

AGENCY APPROVALS:

UL Listed (UL 1950), cUL, CE Certified

Emissions: Meets FCC Part 15 Class A, CE

WARRANTY:

Three years

Made in USA

LED INDICATORS:

LED	TF15	BF15	TB15	Description	LED	TF15	BF15	TB15	Description
Link	TP Fiber	Fiber	-----	Steady ON shows the connection is made at both ends and segment is ready	JAB	TP Fiber	BNC Fiber	yes	Indicates jabber (illegal packet length fault) condition. When lit, segment port is partitioned.
RX	TP Fiber	BNC Fiber	TP BNC	Indicates activity, unit is receiving data (or TX for transmitting data activity)	POL	TP	-----	TP	Indicates unit has detected a TP receive-data wire-pair signal inversion
COL	TP Fiber	BNC Fiber	TP BNC	Indicates unit detects simultaneous data transmit and receive on port power.	PWR	yes	yes	yes	Indicates unit is receiving DC

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Ordering Information

Magnum TF15-d,i: Twisted-pair to Fiber multi-mode ST-type media converter.

Magnum TF15SC-d,i: Twisted-pair to Fiber multi-mode SC-type media converter.

Magnum TF15s-d,i: Twisted-pair to Fiber single-mode ST-type media converter.

Magnum BF15-d,i: BNC to Fiber multi-mode ST-type media converter.

Magnum TB15-d,i: Twisted-pair to BNC ThinNet media converter.



GarrettCom, Inc.

213 Hammond Ave.

Fremont, CA 94539

PH: (510) 438-9071

FAX (510) 438-9072

Email: mktg@garrettcom.com

Web: www.GarrettCom.com