10 Mbs Media Converters

Illustrated: 10 Mbs Ethernet Media Converter Family

Canary MCC-20XX standalone converters are longtime standards for 10Mbs media conversion. They provide flexible combinations of BNC/UTP, BNC/Fiber, and UTP/Fiber Conversion with multi-mode or single mode connections. IEEE 802.3 compliant, they support 10BASE-T, 10BASE-2, and 10BASE-FL (FOIRL) links. Versions with BNC ports have internal, switch selectable 50 Ohm terminators. Power is supplied by an external auto-sensing wall-mount supply. All MCC-20XX 10 Mbs media converters are available as modular cards for Canary's standard sixteen-slot, CCM-1600 converter chassis.

These long established products will continue to be supported as long as their core silicon components remain available in the marketplace.

MCC-2000, BNC-to-UTP converters specially modified for one-way transmission through the copper (RJ-45) port, are available for security applications. Contact Canary directly for application and ordering details.

The replacement market standard for 10Mbs media conversion.

Supporting legacy installations ... where cost is paramount

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Power Supply:
- External switching
- 100/240 VAC, 1.2/0.6 Amp
- 50/60 Hz
- 5 VDC Output

Mechanical:
- Height: 1.00″ (2.54 cm)
- Length: 2.70″ (6.80 cm)
- Width: 4.80″ (12.30 cm)
- Ship Weight: 2.0 lb (0.9 Kg)
- Single Unit: 1.7 lb (0.8 Kg)

Cable Specifications:
- BNC: 50 Ohm RG-58(U) ThinNet
- UTP: Category 3,5 Twisted Pair
- Fiber:
  Multi-mode: 50.0/125, 62.5/125, 100/125 μm
  Single-mode: 8.7-9.0/125 μm

LED Indicators:
- Activity, Auto Polarity, Collision, Jabber, Link, Power

Warranty:
- Three (3) years Parts & Labor

Illustrated: Port connections for Standalone Media Converter Family.

Environmental:
- Operating Temp.: 0 to 55ºC
- Storage Temp.: -10 to 66ºC
- Relative Humidity: 5% to 95% non-condensing

Regulatory:
- Designed in compliance with CE, UL, CSA & TUV standards
- IEEE 802.3, 10BASE-T, 10BASE-2, 10BASE-FL (FOIRL)
- Optical LED transmitters conform to US 21CFR(J), EN 60825-1, UL 1950 and IEC-825

The page that follows provides ordering information for Canary's Standalone 10Mbs Media Converter products:

- *Standalone 10Mbs Media Converters*
  MCC-20XX

RWTÜV
USA INC.
Subsidiary of **RWTÜV** Systems GMBH Germany
ISO 9001 : 2000

Canary Communications is an
ISO 9001 : 2000 registered company.

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Standalone 10 Mbs Media Converters

MCC-20XX – 10BASE-T / 10BASE-2 / 10BASE-FL (FOIRL) Media Converters

- Converters are Compliant with IEEE 802.3, 10 Mbs Ethernet standards

- MCC-2022 Copper-to-Fiber versions are transparent to Full and Half-duplex traffic

- Link Fault Signaling (LFS) is an option on MCC-2022 Copper-to-Fiber versions (special order)

- Full array of status / diagnostic LEDs

- Models with BNC connectors have a switch for internal 50 Ohm Termination

- Models with Fiber connectors are compatible with 10BASE-FL (FOIRL)

- Models with UTP connectors have Auto-polarity protection

- MCC-2000 BNC / UTP versions available with one-way transmission through RJ-45 port for security applications

Ordering Information

Model Numbers	Media Types	Min. Tx PWR	Max. Tx PWR	Rx Sensitivity	Min. PWR Budget	Max. PWR Budget	Connector Type	Wavelength (ηm)	Transmit Distance
MCC-2000	UTP / BNC	NA	NA	NA	NA	NA	RJ-45 / BNC	NA	100m/ 185 m
MCC-2012	BNC / MM*	-15.2 dBm	-15.2 dBm	-34.4 dBm	19.2 dB	19.2 dB	ST	850	185m/ 2 Km
MCC-2012-SM	BNC / SM	-23.0 dBm	-17.0 dBm	-32 / -35 dBm	9.0 dB	18.0 dB	ST	1310	185m/ 4 Km
MCC-2022	UTP / MM	-15.2 dBm	-15.2dBm	-34.4 dBm	19.2 dB	19.2 dB	ST	850	100m/ 2 Km
MCC-2022-SC	UTP / MM	-15.2 dBm	-15.2dBm	-34.4 dBm	19.2 dB	19.2 dB	SC	850	100m/ 2 Km
MCC-2022-SM	UTP / SM	-23.0 dBm	-17.0 dBm	-32 / -35 dBm	9.0 dB	18.0 dB	ST	1310	100m/ 15 Km

NOTE: MCC-20XX standalone converter models are available as card modules for Canary's 16-slot, CCM-1600 chassis.
Please refer to the CCM-1600 chassis, 10 Mbs CCM-120X Data Sheet for additional information.

*Multi-mode fiber specifications are in blue

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