



ProMedia E Series Media Converters

Key Highlights

- ▶ Easy, economical upgrade to fiber
- ▶ Protects your networking electronics investment
- ▶ Use with existing switches without crossover cables
- ▶ Transparent full or half-duplex mode operation
- ▶ 14E models designed for:
 - NEBS compliance
 - Vibration, shock and altitude

Link pass-through feature

- ▶ Choose between:
 - DIN-Rail or rack mount tray option
 - Multimode or singlemode
 - AC and DC power options
 - MDI power enable/disable
- ▶ Warranty: 5 years, 1 year on power supplies

ProMedia Ethernet Media Conversion 10/100Mbps for Multimode or Singlemode Fiber



ProMedia Single Port Media Converters

Waters Network Systems' Media Converters enable the use of both fiber and copper anywhere on your network. Waters offers a variety of models to choose from that will provide an economical solution for extending distances in your network and also for integrating new equipment in your existing network.

All ProMedia Converters transparently support both half and full duplex auto-sensing operations. They are interoperable with any other standards-compliant Fast Ethernet products.

Single-Port Media Converters are noted for their small, rugged metal cases, ease-of-use features and energy-efficiency. These compact units can be mounted securely on a wiring closet wall, office cabinet or desk with Velcro® or by using the metal clips provided. Some models are available with DIN-Rail or rack mount tray options.

The ProMedia 14E models provide the following additional features:

- Link Pass-Through features which allows managed switches to “see through” the media converter for Link indication that includes downstream cable segments.
- Auto negotiation selection
- Two sets of LED indicators for viewing convenience (one set on the front and the other set on the end so they can be viewed when converter is placed in a rack-mount tray)

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ProMedia Ethernet Media Converters

ORDERING INFORMATION

Model	Description	Dimensions	Weight
Unmanaged Single-Port, 14E Models			
ProMedia-100SC-14E	1-port 100Base-TX (RJ45) to 100Base-FX MM (SC)	3.5 x 3 x 1 in (88.9 x 76.2 x 25.4mm)	4.6oz/PS 5.8oz
ProMedia-100SC-SM-14E-20	1-port 100Base-TX (RJ45) to 100Base-FX SM (20km SC)	3.5 x 3 x 1 in (88.9 x 76.2 x 25.4mm)	4.6oz/PS 5.8oz
ProMedia-100ST-SM-14E-10	1-port 100Base-TX (RJ45) to 100Base-FX SM (10km SC)	2.75 x 3.75 x 1 in (69.9 x 95.4 x 25.4mm)	4.6oz/PS 5.8oz
Unmanaged Single-Port, 15E Models			
ProMedia-100ST-15E	1-port 100Base-TX (RJ45) to 100Base-FX MM (ST)	2.75 x 3.75 x 1 in (69.9 x 95.4 x 25.4mm)	.6oz/PS 1.1lb

SPECIFICATIONS

PERFORMANCE:

All Models:

- ▶ Data Rate: 100Mbps
- ▶ FDX and HDX mode transparent

14E Models:

- ▶ Auto-negotiation support on RJ45 port

NETWORK STANDARDS:

- ▶ IEEE 802.3u

LED INDICATORS:

14E Models (dual, front and end)

- ▶ Power: ON
- ▶ Link per port: Steady ON when both attached cable segments are operational, blinking when receiving remote fault from the other end of cable
- ▶ RX/ACT, per port: Activity, blinking when receiving packets

15E Models

- ▶ Power: ON
- ▶ Link (2): Steady ON when attached twisted pair or fiber cable segment is operational, blinking when receiving remote fault from

RECOMMENDED CABLES:

MM fiber:

- ▶ 50/125, 62.5/125 or 100/140

SM fiber:

- ▶ 8.3/125, 8.7/125, 9/125 or 10/125

UTP:

- ▶ 100 OHM Category 5, transmits up to 100m (328 feet)

EMI/SAFETY COMPLIANCE:

All Models:

- UL Listed (UL1950) cUL, CE
- Emissions meet FCC Part 15, Class A

14E Models:

- ▶ NEBS L3 and ETSI compliant

NETWORK CABLE CONNECTORS:

RJ45 shielded female ports:

- ▶ 100Mbps: Category 5 UTP/STP
- ▶ 10Mbps: Category 3, 4, 5 UTP

Fiber MM port connectors:

- ▶ SC/ST

Fiber SM port connectors:

- ▶ SC/ST

POWER SUPPLY:

14E Models

- ▶ Power Input: 9V DC jack
- ▶ Input Voltage: 95-125vac at 60Hz (external)
- ▶ Power Consumption: 3 watts typical, 3.5 watts maximum

15E Models

- ▶ Power Input Voltage: 95-125vac at 60Hz (external)
- ▶ Power Consumption: 4 watts

OPERATING ENVIRONMENT:

14E Models

Ambient:

- ▶ 32° to 104°F (0° to 40°C)

15E Models

Ambient:

- ▶ 32° to 120°F (0° to 50°C)

Ambient relative humidity:

- ▶ 10% to 95% (non-condensing)

MOUNTING OPTIONS:

14E Models

- ▶ Tray mount optional
- ▶ DIN-Rail mount optional
- ▶ Metal mounting clips included

15E

- ▶ Wall mount brackets included

WARRANTY:

5 years (1 year on power supplies)