

Media Converters

D A T A
S H E E T

MIL-185C Multi-Mode ATM Fiber/ UTP Converter OC-3 Speed (155 Mbps) MIL-195C Single-Mode ATM Fiber/ UTP Converter OC-3 Speed (155 Mbps)

- Physical layer product (protocol independent)
- OC-3 speeds (155Mbps)
- Converts electrical signals to optical signals and vice versa.
- Physical layer product designed specifically for ATM Networks
- OC-3 speeds (155Mbps)
- Converts electrical signals to optical signals and vice versa
- Add fiber when you need it and where you need it
- 5 year warranty



Digi's MIL-185C UTP to multi-mode fiber optic converter is an OC-3 speed converter that converts electrical signals to optical signals. The MIL-185C has a compact form-factor and is shipped with an external power source.

Digi's MIL-195C UTP to single-mode fiber optic converter is an OC-3 speed converter that converts electrical signals to optical signals. The MIL-195C has a compact form-factor and is shipped with an external power source.

The MIL-185C and MIL-195C allow for using less expensive UTP Ports on ATM NIC's or switches and utilize single or multi mode fiber when and where it is needed.

These products convert OC-3 electrical signals used in UTP wires, to optical signals used in single or multi mode fiber optics cables. The allowable fiber optic cable distance is 15km for the single mode and 2km for the multi mode. The allowable UTP category 5 wire is 100 meters.



Features/Specifications

Features

- Unshielded Twisted Pair (UTP) to single/multi-mode fiber converter
- OC-3 (155Mbps) speed
- Fiber budget sufficient to drive 15km for single-mode fiber/2km for multi-mode fiber
- One shielded RJ-45 connector
- One SC-type single-mode or multi-mode fiber connector
- Three (3) LEDs indicating power and port status
- External 5 volt DC power supply included

Product Package

- Installation guide

LED's

- TP ACTIVE—A valid link is detected on the receive line of the UTP port when this LED illuminates.
- POWER—Unit is receiving power when this LED illuminates.
- FIBER ACTIVE—A valid link is detected on the receive line of the fiber port when this LED illuminates.

Fiber Specifications

MIL-185C

- Wave length—1300nm
- Launch Power— -14dBm
- Receiver Sensitivity— 31dBm
- Multimode Cable—62.5/125

MIL-195C

- Wave length—1300nm
- Launch Power— -8.0dBm
- Receiver Sensitivity— 31dBm
- Single mode Cable— 8/9nm/125nm

UTP Specifications

- Shielded RJ-45 8Pin Connector
- Recommend to use with shielded Cat.5 UTP cable

External Power Supply

- 110/220 VAC input
- Supplied with unit
- Nominal 5+ 0.25 volts
- Board draw 900mA at normal operation in a room temperature of 25° C

Standards Compliance

- FCC Class A
- UL 1950
- CSA 22 No. 950
- EN60950
- CE
 - EN55022 Class B
 - EN50082-1

Environment

- Operating temperature: to 105°F (0°C to 40°C)
- Relative humidity: to 95% humidity, non-condensing
- Altitude: to 40,000 feet (0 to 12,192 meters)

Digi Service And Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30 day money-back guarantee.

Dimensions

Height	Width	Depth	Weight
1 in.	3 in.	3.5 in.	Unit 4.5 oz.

Models and Part Numbers

MIL-185C	Domestic (110V Power Supply)
MIL-185CIN	International (220V Power Supply)
MIL-195C	Domestic (110V Power Supply)
MIL-195CIN	International (220V Power Supply)

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