Fiber 485/232® Models 4152 & 4153
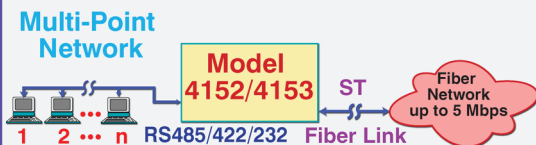## Very High Speed Ruggedized ST Fiber-to-Multi-Point RS485/422/232 Interface Converters

Model 4153 (board)

Model 4152 (desktop)

Models 4152 & 4153 have typical operating speeds up to 1.5 Mbps for RS232 to fiber conversion and up to 5 Mbps for RS485 / 422 to fiber conversion.

- When operating in RS485/422 mode, the converter can be configured for 2-wire half duplex or 4-wire full duplex operation.

- Provides an industrial solution for applications requiring a single point-to-point or a multi-point communications link over short and long distances.

- Applications include PC to PC long distance communications, factory automation, multi-drop data collection devices, barcode readers, time clocks, data entry terminals, ATMs and serial communications in harsh environments.

Multi-Point Application:

Multi-Point Network

Model 4152/4153

RS485/422/232

ST

Fiber Network up to 5 Mbps

Fiber Link

1 2 ... n

Isolated PC RS485/422/232 communications to fiber serial interface/network.

4576-01

Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

Interface Converters for Data Networks
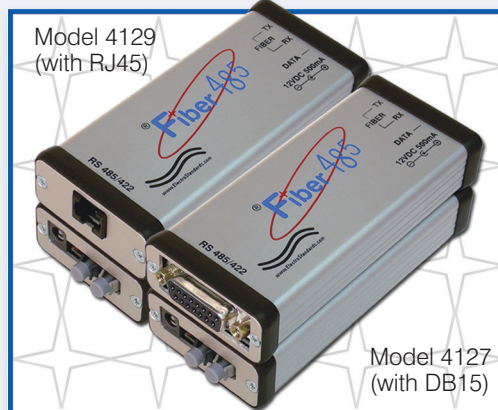*Designed for Military & Commercial Applications*

eslab@ElectroStandards.com
www. ElectroStandards.com

- HP Fiber to RS485 & RS232
- Fiber to USB
- 4-Channel Logic to Fiber
- Very High Speed Fiber to RS485/422/232
- Commercial Off the Shelf (COTS)

Search by product function on WebSite!

Electro Standards Laboratories
36 Western Industrial Drive
Cranston, RI 02921- Tel: (401) 943-1164

Electro Standards Laboratories
36 Western Industrial Drive
Cranston, RI 02921

Fiber 485® Models 4127 & 4129
HP Fiber to RS485
Interface Converters

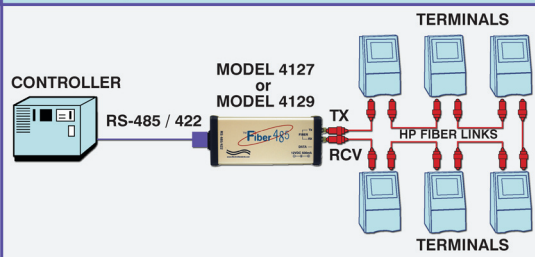Model 4129 (with RJ45)

Model 4127 (with DB15)

Allow connection of HP Fiber Linked Terminals to RS485 Port of Controller.
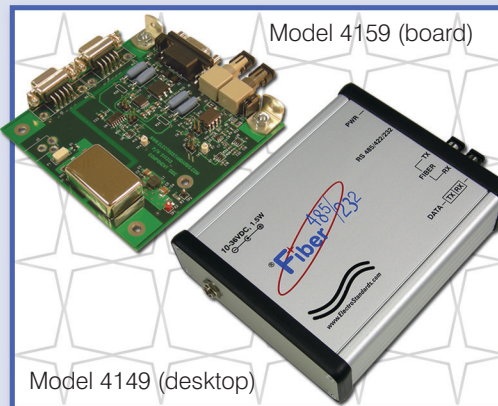
Model 4127 RS485/RS422 connection via DB15 connector; Model 4129 via an RJ45 connector.

- Converts RS485/RS422 Serial Communication Interface to HP Versatile Link plastic core cable.
- Provides full galvanic isolation between connected devices.
- Full duplex connection between two devices having RS485/RS422 ports.
- Data Transfer rate up to 1 Mbps.
- Configurable for use at DCE or DTE (specify with order).
- Maximum Link Distance: greater than 500 meters(1640 ft) with 200 mm Hard Clad Silicon fiber cable.
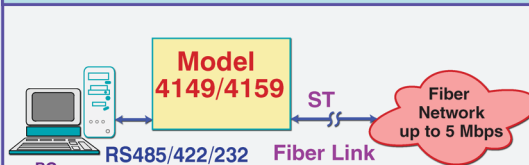
NETWORK APPLICATION:
HP Fiber / RS485 Converter

Fiber 485/232® Models 4149 & 4159
Very High Speed Ruggedized Fiber
to RS485/422/232 Interface Converters

Model 4159 (board)

Model 4149 (desktop)

Models 4149 & 4159 feature typical operating speeds of up to 1.5 Mbps for RS232 to fiber conversion and up to 5 Mbps for RS485/422 to fiber conversion.
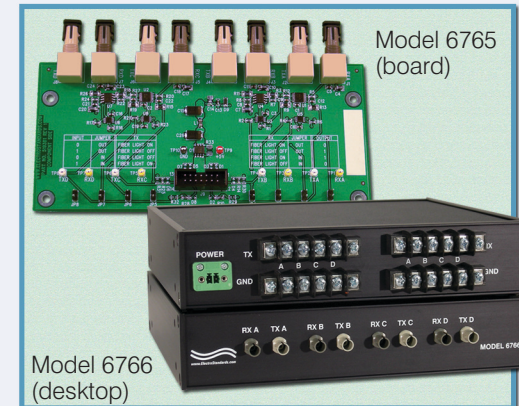
- Desktop configuration is Model 4149.
- Circuit board configuration is Model 4159.
- Operates from -40˚ to +85˚C.
- Provides protection circuitry on all receivers and transmitters for both RS232 and RS485/422 interfaces.
- The unit's power input is protected from transients and features 3kVDC isolation to prevent system ground loops.
- User-selectable fiber polarity.
- Optional DIN Rail mounting kit available for the Model 4149.

Model 4149/4159 Application:

Isolated PC RS485/422/232 communications to fiber serial interface/network.

Models 6766 & 6765
Four Channel Logic to Fiber
Interface Converters

Model 6765 (board)

Model 6766 (desktop)

Models 6766 & 6765 are high speed digital logic level to fiber interface converters that translate four input/output logic pairs into four fiber pairs, resulting in a total of eight fiber optic connectors.

- Desktop configuration is Model 6766.
- Circuit board configuration is Model 6765, convenient for embedded applications.
- Typical operating speeds are up to 5 Mbps.
- User-selectable fiber light ON polarity.
- Convenient ST fiber connectors.
- Logic test points are available for signal monitoring.
- Unit is powered from 5 VDC.

Copper/Fiber Input/Output Diagram