

## Fiber 232® Models 4137 / 4139 HP Fiber / RS-232 Converters

- Allow Connection of HP Fiber Optic Linked Terminals to RS-232 Port of Controller

### Models 4137 / 4139 Application

The HP Fiber / RS-232 Converters are used to connect fiber optic linked terminals to a controller having an RS-232 interface port. While RS-232 is a versatile communication standard, conversion to a fiber optic communication standard also allows data transmission that is no longer susceptible to electrostatic or electromagnetic fields. Additionally, the ports of the connected terminals are protected from damage by potential differences (ground variations) that often exist between them.

### Fiber 232® Features:

- Model 4137: RS-232 connection via an RJ-45 connector.
- Model 4139: RS-232 connection via a DB-9 connector.
- Converts RS-232 Serial Communication Interface to **HP Versatile Link plastic core cable**.
- Provides full galvanic isolation (no metallic connection) between connected devices.
- Full duplex connection between two devices having RS-232 ports.
- Allows the interference-free fiber optical transfer of data to be utilized by the device having an RS-232 interface.
- Data transfer rate greater than 20 Kbps.
- Fiber connections via two standard Versatile Link connectors.
- Configurable for use at DCE or DTE (specify with order).
- Link distance: greater than 500 meters (1640 feet) with 200 mm Hard Clad Silicon fiber cable.
- Provided with external wall-mount power supply, UL approved.



**Fiber 232® HP Fiber / RS-232 Converters**

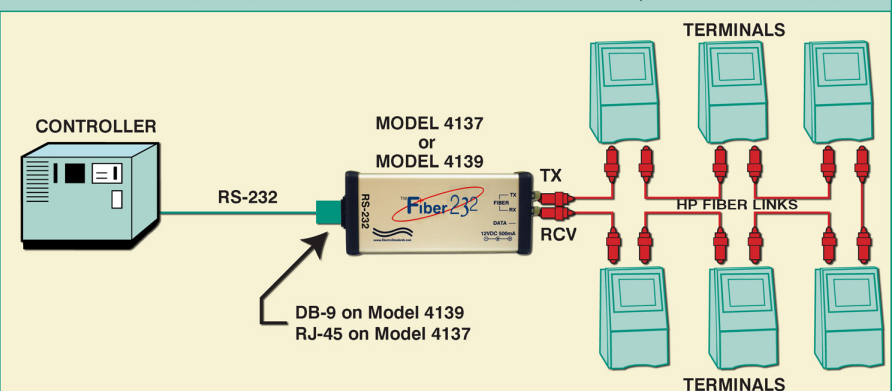
### Fiber 232® Specifications:

- Data Transfer Rate: Greater than 20 Kbps
- Fiber Transmission Distance: 75 m (250 ft.) using TC 1000 W type plastic fiber cable.
- RS-232 Transmission Data: Greater than 15 m (50 ft.).
- Optical Fiber Connectors: HP/Agilent Versatile Link
- RS-232 Connector: DB-9 female on Model 4139, RJ-45 female on Model 4137
- Optical Cable Type: 1mm plastic optical film
- Optical Wavelength: 660 nm (red)
- External Power Supply: 120 VAC, 60 Hz
- Dimensions: 5.5" x 2.25" x 1.0" (139mm x 57mm x 25mm).
- Weight: 0.5 Lb. (226 grams)
- Status Display: Red LED

RS-232 SIGNALS			
Model 4139	Model 4137	SIGNAL	SIGNAL DIRECTION
DB-9 Pin #	RJ-45 Pin #		
3	4	RXD	← IN
2	1	TXD	→ OUT
5	5	REF/GND	

HP VERSATILE LINK PLASTIC CORE CABLES	
Length	Catalog No.
10 Feet	986625-010
20 Feet	986625-020
30 Feet	986625-030
40 Feet	986625-040

### MODEL 4137 and MODEL 4139 APPLICATION: HP Fiber / RS-232 Converter



**Custom Length HP Fiber Cables Available**  
**ORDER: Catalog Number 986625 - Length (in feet)**

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