

Fiber 232® Models 4137 / 4139 HP Fiber / RS232 Converters

- Allow Connection of HP Fiber Optic Linked Terminals to RS232 Port of Controller
- Provides Electrical-to-Optical, Optical-to-Electrical Conversion
- Ideal for Casino Networks Linking Lottery Terminals & Video Gaming Machines

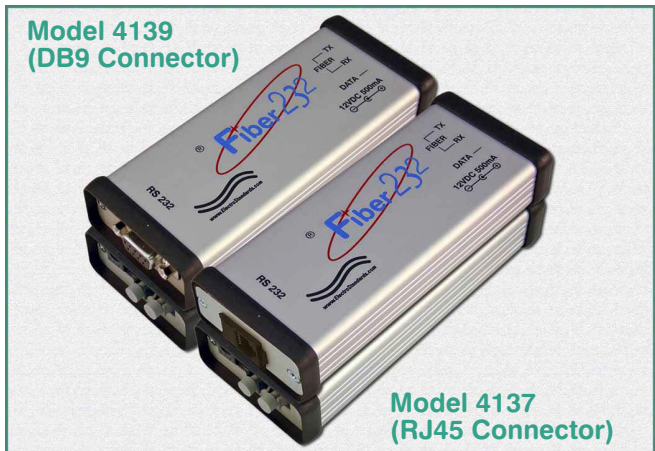
Models 4137 / 4139 Application

The HP Fiber / RS232 Converters are used to connect fiber optic linked Video Lottery Terminals to a controller having an RS232 interface port. While RS232 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:** RS232 connection via an **RJ45 connector**.
- **Model 4139:** RS232 connection via a **DB9 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 HP Versatile Link fiber optic interface device or network and an RS232 interface device.
- Allows the interference-free fiber optical transfer of data to be utilized by the device having an RS232 interface.
- **Data transfer rate up to 120 Kbps (enhanced RS232).**
- Fiber connections via two standard Versatile Link connectors.
- Model 4139 is configurable for use as DCE or DTE. It is factory configured as DCE unless otherwise specified with order. To reconfigure the unit to a different setting in the field, jumpers on the board must be changed.
- Maximum Link distance: greater than 500 meters (1640 feet) with 2.00 mm Hard Clad Silicon fiber cable.
- Provided with external wall-mount power supply, UL approved.

★ **Municipalities, schools, government: This product is on GSA Schedule!**



Fiber 232® Specifications:

Data Transfer Rate: Up to 120 Kbps (enhanced RS232).

Fiber Transmission Distance: 75 m (250 ft.) using TC 1000 W type plastic fiber cable.

RS232 Transmission Distance: Greater than 15 m (50 ft.).

Optical Fiber Connectors: HP/Agilent Versatile Link.

RS232 Connector: **DB9 female on Model 4139, RJ45 female on Model 4137.**

Optical Cable Type: 1mm plastic optical film.

Optical Wavelength: 660 nm (red).

External Power Supply: 120 VAC, 60 Hz wall mount power supply is included with each unit (Cat No 523520).

Dimensions: 5.5" x 2.25" x 1.0" (139mm x 57mm x 25mm).

Weight: 0.5 Lb. (226 grams).

Status Display: Red LED.



RS232 Signals				
Model 4139 DTE	Model 4139 DCE	Model 4137	Signal	Signal Direction
DB9 Pin #	DB9 Pin #	RJ45 Pin #		
2	3	4	RXD	← IN
3	2	1	TXD	→ OUT
5	5	5	REF/GND	

HP Versatile Link Plastic Core Cables	
Catalog Number	Length
986625-010	10 Feet
986625-020	20 Feet
986625-XXX	Length in Feet

