

Fiber 232® Model 4111 POF to RS232 DB9 Port Converter

- Allow Connection of POF 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

Model 4111 Application

The Model 4111 POF / RS232 Converter is 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.

FEATURES:

- Converts RS232 Serial Communication Interface to **Plastic Optical Fiber (POF)**.
- 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.
- **Compatible with the duplex latching connector: HFBR-4516Z**
- **Data transfer rate up to 1 Mbps (enhanced RS232).**
- Fiber connections via two standard Versatile Link connectors.
- Model 4111 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.
- LED Status lights display data transfer activity.
- Provided with external wall-mount power supply, UL approved.

RS232 Signals			
Model 4111 DTE	Model 4111 DCE		
DB9 Pin #	DB9 Pin #	Signal	Signal Direction
2	3	RXD	IN
3	2	TXD	OUT ←
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



SPECIFICATIONS:

- Data Transfer Rate: Up to 1 Mbps (enhanced RS232).**
- Fiber Transmission Distance:** 55 meters (180 ft.) using extra low loss type plastic fiber cable.
- RS232 Transmission Distance:** 19.2 Kbps 500 feet using low capacitance cable.
- Optical Fiber Connectors:** HP/Agilent Versatile Link.
- RS232 Connector:** **DB9 female port connector.**
- Optical Cable Type:** 1mm plastic optical film.
- Red Peak Wavelength:** 660 nm (red).
- External Power Supply:** 120 VAC, 60 Hz wall mount power supply is included with each unit (Cat No 533973).
- Dimensions:** 2.24" x 1.1" x 3.88" (5.7cm x 2.8cm x 9.9cm).
- Weight:** 0.3 Lb. (93.5 grams).
- Status Display:** (1) Red RX Data LED and (1) Green TX Data LED.

