

DV-1394

Firewire, IEEE 1394A/B, Fiber Optic Transport



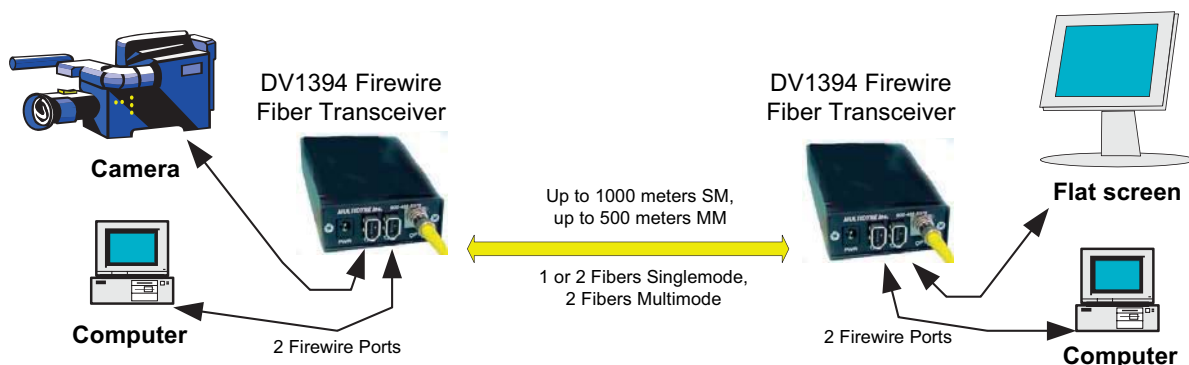
SUMMARY

- Compatible with IEEE 1394 A/B protocol.
- Singlemode and Multimode versions available.
- Full duplex.
- Supports 100 and 200 M Baud data rates.
- Distance up to 1KM.
- Adapters for ST, FC and SC.
- Singlemode units available in one or two fiber solutions.
- Rack or standalone configuration.

The DV-1394 is designed for full duplex transmission of Firewire (IEEE 1394) signals over Single-mode or Multimode fiber optic cable. Perfect for today's professional and consumer applications. No special drivers or set up needed and it is transparent to Firewire peripherals. The unit is compliant with IEEE-1394A-2000 and IEEE-1394B specifications.

Applications include video production, video editing, ENG, computer networking and transport links for STL, studio to studio and studio to CATV head-end.

APPLICATION DIAGRAM



86290909

Vertrieb / Distributor:

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SPECIFICATIONS

Specifications subject to change without notice.

Format (100 and 200M Baud)	IEEE1394A-2000, IEEE1394B draft
Electrical Port	2x 6 pin IEEE1394 Copper Ports
Optical Port.....	1x IEEE1394B Long Haul Optical Port
Optical Power, Multimode	-19 dBm
Optical Sensitivity, Multimode	-28 dBm
Optical Power, Singlemode	-15 dBm
Optical Sensitivity, Singlemode	-28 dBm
Optical Power, WDM Singlemode	-8 dBm
Optical Sensitivity, WDM Singlemode	-23 dBm
Power Dissipation.....	< 2 Watts, per unit
AC operation, wall-mount supply	110 or 220 VAC
DC operation	7 to 14 VDC
Operating temperature	0 to +70 °C
Extended Operating temperature	-40 to +75 °C
Stand-alone unit	5.9" L x 2.75" W x 1.2" H
6 unit rack-mounting kit (Part number -RM6):	5.9" L x 19" W x 1.75" H

ORDERING INFORMATION

DV-1394-FMX-2	Firewire DV/IEEE 1394 Fiber Optic Transceiver, Multi-mode, 500 meters, 1310nm LED -19dBm, 1310nm PIN, -28 dBm sensitivity, dual LC or MT-RJ connector, Stand-alone & Rack-mountable, wall-mount power supply included. Requires 2 Multimode fibers. (Requires 2 units for 1 link)
DV-1394-FMX-50	Firewire DV/IEEE 1394 Fiber Optic Transceiver, Single-mode, 1 KM, 1310nm Laser -15 dBm, 1310nm PIN, -28dBm sensitivity, dual LC or MT-RJ connector, Stand-alone & Rack-mountable, wall-mount power supply included. Requires 2 Singlemode fibers. (Requires 2 units for 1 link)
DV-1394-FMX-WDM-35	Firewire DV/IEEE 1394 Fiber Optic Transceiver, WDM, Singlemode, 1 KM, 1310 Laser -8dBm, 1550nm PIN, -23dBm sensitivity, one FC connector, Stand-alone & Rack-mountable, wall-mount power supply included. Requires 1 Singlemode fiber. (Requires 2 units for 1 link)
DV-1394-FMX-WDM-53	Firewire DV/IEEE 1394 Fiber Optic Transceiver, WDM, Singlemode, 1 KM, 1550nm Laser -8dBm, 1310nm PIN, -23dBm sensitivity, one FC connector, Stand-alone & Rack-mountable, wall-mount power supply included. Requires 1 Singlemode fiber. (Requires 2 units for 1 link)

RACK-MOUNT KITS AND ACCESSORIES

-RM6	6 unit rack-mounting kit, mount 6 DTV-100/1500 in 1 rack unit
-RM12	12 unit rack-mounting kit, mount 12 DTV-100/1500 in 2 rack unit
-BLANK	Blank panel for rack-mounting kit
DV-CABLE-500-2	500 meter Duplex Multimode Fiber Optic Cable for DV1394-FMX-2, LC connectors
DV-CABLEP-500-2	500 meter Duplex Multimode Plenum Fiber Opti Cable for DV1394-FMX-2, LC connectors
DV-CABLE-1K-50	1000 meter Duplex Singlemode Fiber Optic Cable for DV1394-FMX-50, LC connectors
DV-CABLEP-1K-50	1000 meter Duplex Singlemode Plenum Fiber Optic Cable for DV1394-FMX-50, LC connectors
DV-LC-ST-2	LC to ST, Multimode, Adapter Cable for DV1394-FMX-2
DV-LC-ST-50	LC to ST, Singlemode, Adapter Cable for DV1394-FMX-50
DV-LC-FC-50	LC to FC, Singlemode, Adapter Cable for DV1394-FMX-50