

Optical FireWire Repeater (M4-200 & 201)

Stretch your Firewire Experience beyond copper



Features and Specifications

- ◆ Extends IEEE1394b protocol signals up to 500m (1640feet) over MM GOF.
- ◆ Fully complies not only with 1394b-2002 but also backwardly 1394a-2000 & 1995.
- ◆ Offers 800 (S800), 400 (S400), 200 (S200) and 100 (S100) Mbps in full duplex data rate.
- ◆ Offers two models in a combination of electrical and optical ports; **M4-200**: electrical bilingual ports and an optical duplex LC receptacle, **M4-201**: an electrical bilingual port and two optical duplex LC receptacles.
- ◆ Dimension (W/H/D): 101/24/91 in mm
- ◆ Weight: 190g each
- ◆ Low power consumption: less 6W
- ◆ Free RF noises and EMI from fiber
- ◆ No software to install: Easy to use; plug and play.

Description

The S800 Optical FireWire Repeaters (M4-200 and M4-201) in use of a pair of two or multiple connection, each interface over fiber-optic cables provides a long distance IEEE 1394 interconnection, 500m (1,640feet) over the limits of copper wire extension, 4.5m (15feet) without any distribution amplifiers or repeaters.

Any IEEE1394 device or controller interfaces to two or one electrical ports of M4-200 or M4-201 through each 4.5m copper cable, respectively. They are between two repeaters remotely located over duplex multi-mode glass of fiber (MM GOF) cables. The M4-201, giving a connection of a 1394 device is capable of two-way fiber connection in forward and backward directions, which eventually makes a daisy chain. The electrical bilingual port of 1394b-2002 standard supports S800 (800Mbps) data rate, fully complied with IEEE1394b-2002, but also backwardly S400, S200, and S100 by using DS (9 pin or 4 pin)-to- bilingual cables.

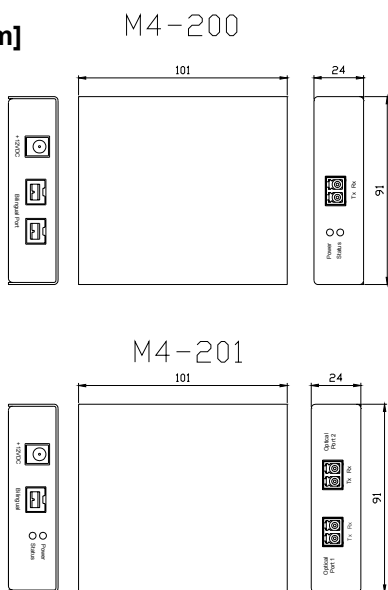
When applying to IEEE1394 devices or controllers having powers themselves, the M4-200 repeater requires plugging the external DC power adapter, delivered together with products in shipping package, only when the power indicating LED is off.



Enjoy Your Digital Connection!

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Drawing [mm]



Product Certification

EMI and Immunity

The Opticis M4-200 and M4-201 repeaters have been tested and found to comply with the limits for class A device, pursuant to Part 15 of FCC-rules and EN 55022/55024/61000-3 for CE certification. These limits are designed to provide reasonable protection due normal use with other home network appliance.

Eye Safety

The Opticis M4-200 and 201 repeaters have been designed to meet Class 1 eye safety by adapting Opticis 850nm VCSEL transmitter, certified by

Applications

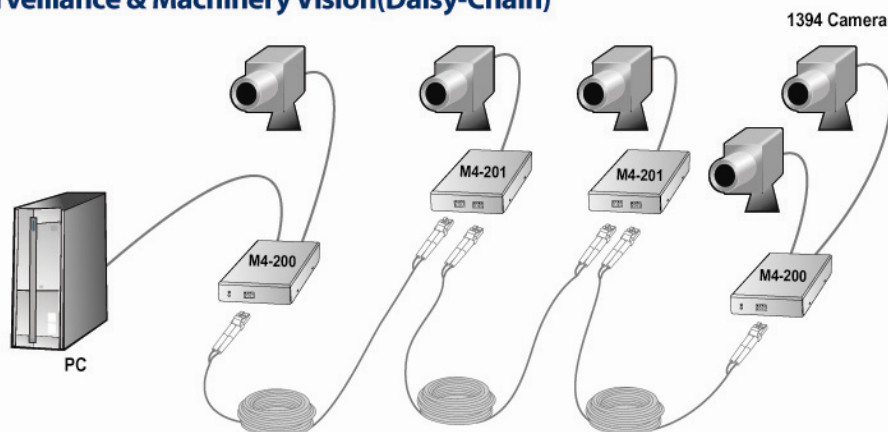
- PC link of peripherals in factory & office
- IEEE1394 camera interfaces for surveillance system and machinery vision
- Storage Area Networks and File server systems in SME

Shipping Options

Repeater option: Two (2) repeaters are in one shipping group and any combination is available per user's applications

Cable option: Two (2) Bilingual-to-Bilingual cables for S800 or Two (2) Bilingual-to-DS (6pins) cables for S400

Surveillance & Machinery Vision(Daisy-Chain)



www.opticis.com

Headquarter

Opticis Co., Ltd.
304, ByusanTechnopia, 434-6
Sangdaewon-Dong, Chungwon-Ku,
Sungnam City, Kyungki-Do, 463-120
South Korea
Tel: +82 (31) 737-8033~9
Fax: +82 (31) 707-8079
www.opticis.com

North American Office

Opticis North America Inc.
330 Richmond Street, Suite 100, Chatham,
Ontario N7M 1P7
Canada
Tel: +1 (519) 355-0819
Fax: +1 (519) 355-0502

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