

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 on a basic model; **M4-200**: a pair of two electrical bilingual ports and an optical duplex LC receptacle, **M4-201**: a box of one 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.

Shipping Groups

M4-200: Two (2) repeaters of two-electrical and one-optical ports, with two 1394 cables and a +12V power adaptor

M4-201: One (1) repeater of one-electrical and two-optical ports with one 1394 cable and a +12V power adaptor

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

Description

The S800 Optical FireWire Repeaters (M4-200 and M4-201) offer 500m (1,640feet) extension over the limits of copper wire extension, 4.5m (15feet) without any distribution amplifiers or repeaters. The basic model, M4-200 consists of a pair of two repeaters, having one-optical and two-electrical ports. Additionally, between two, multiple installation of M4-201, having two-optical and one-electrical ports provides a long fiber-optic extension of additional 1394 devices. The M4-201, giving connection of a 1394 device is capable of two-way fiber connection in forward and backward directions, which eventually makes a daisy chain with each repeater of M4-200 at both ends.

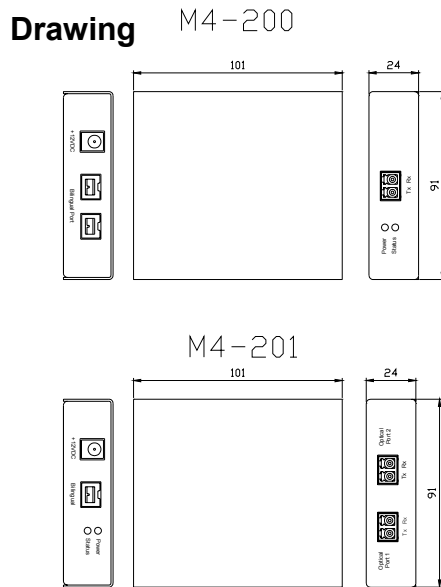
Duplex multi-mode glass of fiber (MM GOF) cables with LC connectors makes fiber connection between repeaters.

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 in shipping package, only when the power indicating LED is off.

Enjoy Your Digital Connection!

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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.

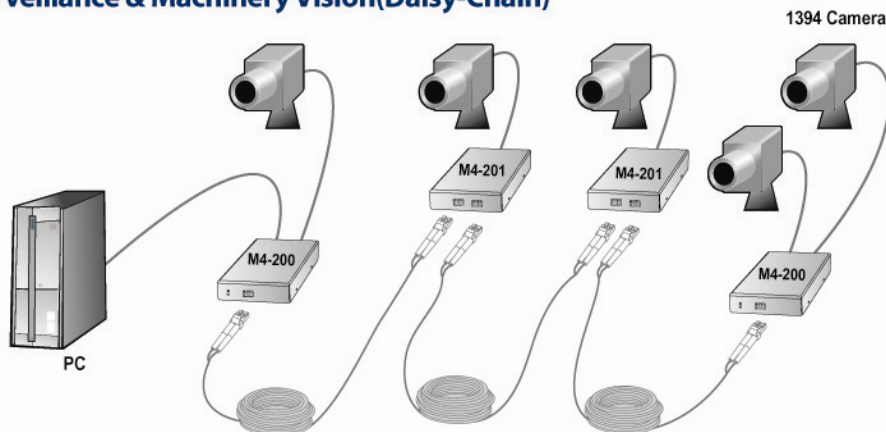
Eye Safety

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

Surveillance & Machinery Vision(Daisy-Chain)



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All contents are subject to be changed without prior notice.