

OTR-1000/1001

HDMI 2.0, USB, IR & RS-232 Over Fiber

OTR-1000/1001



Features

- HDMI 2.0 long distance extension
- Resolution support up to 4K60, 4:4:4
- HDCP 2.2 compliant
- Small Form Pluggable fiber optic interface
- Up to 300 meters on MM fiber or up to 10Km on SM fiber
- Only duplex LC connection needed
- USB keyboard and mouse (model OTR-1000 only)
- Bi-directional RS-232
- Bi-directional IR
- Compact flange-mount design

The OTR-1000/1001 is a compact, but powerful fiber optic extender pair capable of extending high resolution video up to HDMI 2.0, 4K60, 4:4:4, 8 bit or HDR, 4K30, 4:2:0, 10 bit over fiber. Extend signals long distances up to 300 meters on MM fiber and up to 10 Km on SM fiber. Along with the HDMI 2.0, USB (OTR-1000 only) (keyboard & mouse), bi-directional IR and bi-directional RS-232 can be sent on the same fiber cable for controlling remote displays, set-top boxes or any other devices that need to be controlled remotely. Additionally, the OTR-1000/1001 is compliant with the latest HDCP 2.2 standards. The units are built with a solid stand-alone compact enclosure with mounting flanges, making it the perfect solution for any installation that might need wall, under desk or shelf mounting.

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Models

Model	Description
OTR-1000	Fiber optic extender link (tx & rx), HDMI 2.0, resolution support up to 4K60, 4:4:4, HDCP 2.2, USB keyboard & mouse, Bi-directional IR, Bi-directional RS-232, SM or MM, duplex LC connectors, 12 VDC@2A included, Compact stand-alone enclosure
OTR-1001	Fiber optic extender link (tx & rx), HDMI 2.0, resolution support up to 4K60, 4:4:4, HDCP 2.2, Bi-directional IR, Bi-directional RS-232, SM or MM, Duplex LC connectors, 12 VDC@2A included, Compact stand-alone enclosure

Specifications

Video Specifications	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Resolution Support	Up to 4K2K@60, 4:4:4, 8 bit or HDR, 4K2K@30, 4:2:0, 10 bit
Video Bandwidth	600 MHz, 18 Gbps
Input TMDS	1.2 Volts p-p
Input DDC Signal	5 Volts p-p, TTL
Optical Specifications	
Distance	Up to 300 meters on MM or up to 10Km on SM
Fiber Type	MM (OM3 fiber recommended) or SM
Fiber Connector	Duplex LC
Audio Specifications	
HDMI Audio	Surround sound up to 7.1 ch
Data/Control Specifications	
USB (OTR-1000 only)	Keyboard & Mouse
IR Pass-thru	20 KHz to 60 KHz, Bi-directional
Serial Data	RS-232
Mechanical Specification	
Enclosure type	Stand-alone
Dimensions (L x W x H)	4.5" x 6.13" x 1.12"
Weight	1.5 lbs
Mounting	Flange-mount
Power Specifications	
Power Supply	12 VDC@2A
Environmental Specifications	
Operating Temperature	0 to 50 C
Relative Humidity	30 to 90%, non-condensing
Storage Temperature	-20 to 60 C

