



packaged with the following, compatible mounting accessories:

- Under-desk mounting kit
- Under-desk double mounting kit
- 1U high rack shelf

The required screw type: PZ flat head (M3x6mm)

To order mounting accessories please contact sales@lightware.com.



SC fiber connector

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SC fiber optical connector. Connect a multimode fiber optical cable between the transmitter and the receiver. The following features are supported:

- All communication, including audio and video transmission. and HDCP over one optical fiber.
- The connector supports open fiber detection with high speed laser shutdown.

Status LED Indicates the current status of the transmitted or received optical and HDMI signals, and the HDCP-encryption.

	OFF	Module is not powered.
÷	BLINKING (red)	No fiber link is detected.
÷	BLINKING (yellow)	Fiber link is established, but no HDMI cable is detected (5V is not detected on the source or hotplug is not detected on the sink).
	ON (yellow)	Fiber link is established, cable is connected, but no HDMI signal.
÷	BLINKING (green)	Fiber link is established, signal is not HDCP-encrypted.
	ON (green)	Fiber link is established, signal is encrypted with HDCP 1.4.
-	BLINKING (blue)	Fiber link is established, HDCP 2.2 initialization is in progress.

Fiber link is established, signal is encrypted with HDCP 2.2.

Troubleshooting

The following LED status mean incorrect extender modes. It can happen when the USB-A plug of the extender is connected to a USB connector where the data transmission is enabled.

Solution: Use the supplied power adaptors.



BLINKING (pink)

ON (pink)

ON (blue)

The device is in bootloader mode.

The device is in bootloader mode and bootloader is configured by the USB host

Further Information

The Product Brief of the extender is available on www.lightware.com. See the Downloads section on the dedicated product page.

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4

Specification

General

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ComplianceCE
EMC ImmunityIEC/EN 55035:2017
EMC Emission IEC/EN 55032:2015
SafetyIEC/EN 60065
Warranty3 years
Cooling Passive
Power consumption - TX (1080p60 / 4K60)1.5 W / 2 W
Power consumption - RX (1080p60 / 4K60)0.8 W / 1 W
Operating temperature 0 to +50°C (+32 to +122°F)
Storage temperature40 to +85°C (-38 to +185°F)
Operating humidity10% to 90%, non-condensing
Fiber Optical Port
Connector typeSC simplex receptacle
Laser wavelengths HSL: 780, 800, 825, 850 nm; LSL: 910, 980 nm
Laser class specificationClass 1 (if enclosure removed: Class 3R)
Compliance IEC/EN 60825-1:2014-05 Ed. 3.0

Typical Application

HDMI 2.0 optical matrix assembly: by connecting the HDMI connectors outputs of the fully populated **OPTJ Power tray** with the input and output ports of an **MX2-8x8-HDMI20-Audio-L** matrix a HDMI 2.0 optical matrix system can be created with Full 4K UHD at 60 Hz 4:4:4 maximum resolution.



HDMI Port

Connector type	/I 2.0 4:2:0
HDCP compliancyHDCP 1.4 and HDC	P 2.2
Power	
Power supply (TX) USB / H	-IDMI
Power supply (RX)External power adaptor /	USB
Power adaptor In 100-240 V AC 50/60 Hz, Out 5V DC	C, 1 A
Power connectorUSB-A	plug
Enclosure	
MaterialAlum	inum
Enclosure dimensions in mm110.5 W x 35.5 D x 12	1.4 H
Enclosure dimensions in inch 4.35 W x 1.40 D x 0.	.44 H
Weight145 g (0.32	2 lbs)
Rack mountableYes, with 1U high rack	shelf
Length of pigtail HDMI cable	inch)
Length of pigtail USB cable	inch)

Features

- Resolutions up to 4K@60Hz with RGB 4:4:4 colorspace
- 18 Gbps bandwidth
- HDMI 2.0, HDMI 1.x, and DVI 1.0 compliant
- HDCP 2.2, HDCP 1.4 compliant and CEC, EDID transparent
- 36-bit deep color support
- 3D signal compatibility with frame packing, side-by-side and top-bottom formats
- Zero frame delay no latency
- No compression
- One MultiMode fiber cable up to 600 meters on case of 4K60 resolution
- Supports all HDMI audio formats: Dolby TrueHD and DTS-HD Master Audio
- Plug & Play
- SC optical connector
- Solid aluminum housing for professional use

Maximum Extension Distances

Resolution, Pixel clock rate	OM1	OM2	OM3	OM4
1280x720p60 Hz	800 m	1000 m	2500 m	2500 m
1920x1080p60 Hz	500 m	1000 m	2500 m	2500 m
3840x2160p30 Hz (4k30 4:4:4)	200 m	600 m	1500 m	1500 m
3840x2160p60 Hz (4k60 4:2:0)	200 m	600 m	1500 m	1500 m
3840x2160p60 Hz (4k60 4:4:4)	Not supported	300 m	600 m	600 m
4096x2160p60 Hz (DCI 4K60)	Not supported	300 m	600 m	600 m

Important Safety Instructions

Please read and keep the information in the attached safety instructions supplied with the product before starting using the device.

WARNING

To prevent injury, the apparatus is recommended to securely attach to the floor/wall or mount in accordance with the installation instructions. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. No naked flame sources, such as lighted candles, should be placed on the apparatus.

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of This Product

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from, uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.



Household users should contact either the retailer where they purchased, this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.