

UCX Matrix Switcher Receiver with HDMI 2.0 inputs and USB 3.1 Gen1 host ports

UCX Matrix Switcher receiver is part of a transmitter-receiver configuration that provides the same functionality as the UCX product range in terms of signal management and connectivity. Also supports HDMI and USB host connectivity for room equipment.



Details

Lightware’s UCX Matrix Switcher receiver is part of a transmitter-receiver configuration that provides the same functionality as the UCX product range in terms of signal management and connectivity. (Such functionality includes video resolution up to 4K@60Hz 4:4:4 through the USB-C and HDMI inputs, easy USB host switching, and advanced security features). At the same time, the bundle overcomes the limitations imposed by the USB and HDMI cables and allows for the extension of video, audio, and control signals in one direction and the USB 2.0 and control data and in the other up to a transmission distance of 100m.

Features

- **Independent USB Host switching layer for multiple USB hosts, up to 8 devices (4x at the TX side, 4x at the RX side)**
- **Local HDMI 2.0 and USB3.1 Gen1 connectivity for Room PC and other room equipment**
- **Single CAT connectivity between TX and RX devices, Video, USB2.0, Ethernet, OCS, GPIO and Serial**
- **Multiple USB connectivity for any type of USB device (Camera, speakerphone, touch monitor, USB-HID devices etc.)**
- **Three independent HDMI 2.0 outputs**
- **Room device control via Ethernet (TCP/IP) or Serial or GPIO or OCS**
- **CEC at the HDMI outputs**
- **Supports HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps)**
- **Welcome screen for custom corporate logo and on-screen display warning messages**
- **Multiple Ethernet network configurations fitting various corporate network topologies and IT security standards (e.g. 802.1x compliance)**
- **SSH, SSL, HTTPS for IT security**
- **Audio de-embedding**

Specifications

General	Compliance	CE; UKCA	
	Electrical safety	EN 62368-1:2014	
	EMC (emission)	EN 55032:2015	
	EMC (immunity)	EN 55035:2017	
	RoHS	EN 63000:2018	
	Warranty	3 years	
	Operating temperature	0° to +50°C (+32° to +122°F)	
	Operating humidity	10% to 90%, non-condensing	
	Cooling	passive	
Power	Power supply option	External 80W Power Supply	
	Supported power source	100-240 V AC, 50/60 Hz	
	Power consumption	9W	
Power Adaptor	Supplied power	12V DC, 2A	
	AC power plug	Interchangable (EU, UK, JP/US, AUS/NZ)	
	DC power plug	Locking DC connector (2.1/5.5 mm pin)	
Enclosure	Rack mountable	yes, with mounting accessories	
	Enclosure material	1 mm steel	
	Dimensions (mm)	246 W x 140.3 D x 26 H	
	Weight	936 g	
Video Ports	HDMI Output	Connector type	3x HDMI type A with screw locking option
		AV standard	DVI 1.0, HDMI 20
		HDCP compliance	HDCP 2.3
		Color space	RGB, YCbCr
		Supported resolutions at 8 bits/color	up to 4096x2160@60Hz (4:4:4)
		Audio formats	8-channel PCM, Dolby TrueHD, DTS-HD Master Audio 7.1
	TPX Input	Connector type	RJ45 connector
		Power over Ethernet	POE PD (IEEE802.3af)
		Data rate	10GBase-T
		Compliance	AVXT
		HDCP compliance	HDCP 2.3
		Transferred signals	Video, Audio, USB 2.0, RS-232, OCS, Ethernet
		Color space	RGB, YCbCr
		Supported resolutions at 8 bits/color	up to 4096x2160@60Hz (4:4:4)
		Audio formats	8-channel PCM, Dolby TrueHD, DTS-HD Master Audio 7.1
HDMI input	Connector type	2x HDMI type A with screw locking option	



Specifications

Audio Ports	Analog Audio Output	Connector type	5-pole Phoenix connector
		Audio formats	2-channel PCM
		Sampling frequency	48 kHz
		Signal transmission	Balanced signals
Control Ports	Ethernet port	Connector type	RJ45 female connector
		Number of connectors per unit	3
		Ethernet data rate	1GBase-T, full duplex with autodetect
	RS-232 serial port	Connector type	3Pol Phoenix
		Default settings	9600 BAUD, 8N1
	USB	Connectors	1x mini USB Type B (reserved for service)
			1x USB Type A (reserved for future developments)
			2x USB Type B (USB3.1) for host devices
			4x USB Type A (USB3.1) for peripherals
	Room occupancy sensor	Connector type	3Pol Phoenix
GPIO	Connector type	8Pol Phoenix	