

Universal Switcher with HDMI 2.0 and USB-C connectivity



The **UCX-2x1-HC40 universal switcher** enhances and extends the possibilities of a meeting room and allows meeting participants to easily use their own devices such as laptops, and preferred video conference platforms while also to utilize the available assets of the meeting space, just like the HDMI displays, room cameras and other USB peripherals.

The device utilizes the **USB-C connectivity** for a simplified transmission of 4K video, audio, control signals and power, and allows data speeds of up to **5 Gbps** under the **USB 3.1 Gen1** and allowing video resolution capabilities up to **4K@60Hz at 4:4:4**. Users who connect their laptop or other mobile device via USB-C can also enjoy charging up to 100W, thus eliminating the need to look for a wall plug and to avoid sudden interruption of meetings.

Devices such as laptops that do not come with USB-C connectivity can also be connected quickly and easily, using a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections without compromising on either video resolution or data speeds.

The device is designed to be a centerpiece of any collaboration space, and can be connected to four USB peripherals via USB-A type connectors.

The device allows up to two hosts to be connected to the system, and also ensures quick and easy switching between these hosts, making this universal switcher a perfect fit for smaller meeting areas, involving 6-12 people.

Automated room control features are also included through **GPIO ports**, besides of **RS-232** and occupancy sensor connectivity, and the switcher also thrives when it comes to **audio capabilities**, offering **analog audio de-embedding**.

Security is always a key concern in the corporate world, therefore our engineers ensured that the UCX-2x1-HC40 adheres to the strictest security standards.

Secure corporate Ethernet interfaces ensure secure device control and configuration under the SSH, SSL and HTTPS standards, whilst the device can also be securely connected to a closed network of room control devices such as wall panels, or routed to the corporate system for additional control options, all via separate Ethernet layers.

The Taurus UCX offers noiseless operation, no fan in the device.

In today's collaboration environments, it is key that the technology offers flexible and versatile ways for participants to unlock the full potential of a collaboration space and to not be limited by the default options offered by their meeting rooms.

The new **Taurus UCX product family** is Lightware's ground-breaking innovation offered for the increasingly growing demand for cutting-edge solutions in the world of Unified Communications.

Specifications

Video	Resolution		Up to UHD/4K@60Hz 4:4:4	
	Signal Type		DP Alt Mode, HDMI 2.0, HDMI 1.x, DVI	
	Maximum data rate		18 Gbps	
	Maximum pixel clock		600 MHz	
	Content protections		HDCP 1.x, HDCP 2.2	
	Connector type (IN)		1x HDMI receptacle type A with screw locking option 1x USB-C receptacle type A with screw locking option	
	Connector type (OUT)		1x HDMI receptacle type A with screw locking option	
	Video processing		Signal parameter measurement	
Audio	Audio mode		Simultaneous pass-through and de-embedding to the Audio layer	
	Supported audio formats for pass-through		All HDMI2.0 audio formats	
	Supported audio formats for de-embedding	Uncompressed	LPCM (up to 8 channels, 192 kHz, 24 bits per sample)	
Control	Ethernet	Control	1x 100Base-T via RJ45 for Secure Control	
		User Data	1x 100Base-T via RJ45 for Utility AV 1x 100Base-T via RJ45 for Configurable Ethernet	
	RS-232	Connector	1x 3Pol Phoenix	
		Symbol rate	between 9600 and 115200 baud	
		Configuration	Parity: none, odd or even Stopbits: 1 or 2	
	USB	Connectors		1x USB Type C with charging function (upt to 100W), Optional Ethernet access
				1x mini USB Type B for LDC control
				1x USB Type A for Service
				1x USB Type B for user application 2x USB Type A for peripherals
Room Occupancy Sensor	Connector	3Pol Phoenix		
GPIO	Connector	8Pol Phoenix		
General	Powering		External 160W power supply	
	Power consumption (max)		150 W	
	Thermal dissipation (max)		239 BTU/h	
	Weight		895 g	
	Operating conditions	Ambient temperature	0-50°C	
		Relative humidity	0-90% (non-condensing)	
	Transportation conditions	Ambient temperature	-20-70°C	
		Relative humidity	0-95% (non-condensing)	
	Compliance		EN 55032:2015 IEC 61000-3-3:2013+AMD1:2017 FCC CFR Title 47, Part 15, Subpart B	
	Warranty		3 years	