WELCOME TO THE AGE OF TAURUS

Lightware is delighted to announce the debut of the Taurus UCX, a universal switcher designed to tackle the common challenges of meeting rooms and collaboration environments. This unique connectivity platform allows users to share their content, switch hosts and control their meeting room easily and intuitively.

The Difference Taurus Can Make

Meetings of the Past

• Limited options to use BYOD
• Confusing amount and types of cables and control panels
• Unresponsive room devices such as displays and audio systems
• Complicated configurations
• Delays caused by long setup and ‘problem-solving’
• “It just doesn’t want to work!”

Meetings of the Future

• Easy and straightforward connectivity
• HDMI and USB-C right at hand
• Quick and easy set up
• Simplified and automated controls
• No more delays to start meetings because of technical issues
• “It works just as it should!”

FUTURE

PAST

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Connectivity & Charge

Just bring your own device, connect it easily and start sharing your desktop with the room right away whilst also charging your laptop in one go. The Taurus UCX offers USB-C connectivity for simplified handling of audio, video, power and control signals via one single cable.

Collaboration & Convenience

Take advantage of all the built-in assets of the room from the webcam to microphones to speaker systems to screens. Easy host switching allows you to utilize all USB peripherals with the device and the multiple video conference platforms within the same room.

Control

Access and control room facilities such as lights and shades without the hassle of using multiple controlling platform, as the Taurus UCX allows you to get everything done simply via the native control panel or touchpad that is already used for the video conference system.

A Plethora Of Great Features And Capabilities

Full HDMI 2.0 Compatibility
Allowing 4K 60Hz 4:4:4 Signals

USB-C Connectivity
And Charging Up To 60w

USB 3.1 Gen1 Connectivity
And Host Switching Layer

Enhanced Ethernet Security Features

The Power of C - USB-C

One Device. Limitless Collaboration. Taurus UCX.

The new Taurus UCX is a Unified Communications platform that allows you to Conveniently Collaborate by simply connecting your own device via a single USB-C cable to share your Content and Control the meeting room easier than ever before.

It’s time to forget about the frustration and the delays caused by confusing amount of tangled cables and dozens of plugs or stubborn webcams that somehow ‘never want to work’.

The Taurus UCX combines video, audio, control and Ethernet signals into one single cable, and together with the autoswitching and intuitive room control capabilities it brings you the experience of the future. Today.

Achieving 4K60 Video

Take a deep dive into the technical solutions behind the Taurus UCX’s capabilities to handle 4K60 RGB video signals on the USB-C input ports without sacrificing the possibility to utilize USB peripherals on the same cable.

Build-In Superspeed USB Hub

The new Taurus UCX comes with a built-in superspeed USB hub and superspeed USB host switch, allowing users to connect USB peripherals and switch between different host devices (such as laptops) easier than ever before.

Differences of USB-C Compatible Devices

Not every USB-C device is created equal, and neither are USB-C cables. Different laptops come with different capabilities and features on what is achievable through USB-C, including DisplayPort Alternate mode and charging.
Universal Switcher with HDMI 2.0 and USB-C connectivity

The UCX-2x1-HC30 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 conferencing platforms while also to utilize the available assets of the meeting space, just like the HDMI displays, room cameras and other USB peripherals.

Exploit the Possibilities of USB connectivity

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 60w, 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 two 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 4-8 people.

Universal Switcher with HDMI 2.0 connectivity and USB 3.1 Gen1 features

The UCX-2x2-H30 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 conferencing platforms while also to utilize the available assets of the meeting space, just like the HDMI displays, room cameras and other USB peripherals.

Exploit the Possibilities of USB connectivity

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 Taurus UCX offers noiseless operation in most environments where conditions are considered regular, just like in a meeting room where temperatures do not exceed the low 20s in Celsius or about 70-75 in Fahrenheit. The built-in fan is designed to operate only if the device is installed in a cabinet or other environment with unsufficient air-flow. We specified a maximum of 30dBA noise level for our ventilation system in a meeting room, to comply with the NC-30 and NR 30 standards.

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.

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

The UCX-2x2-H30 offers flexible and versatile ways for participants to unlock the full possibilities of a meeting room and allows meeting participants to easily use their own devices such as laptops, and preferred video conferencing platforms while also to utilize the available assets of the meeting space, just like the HDMI displays, room cameras and other USB peripherals.

Security is always a key concern in the corporate world, therefore our engineers ensured that the UCX-2x2-H30 adhere to the strictest security standards. A secure corporate Ethernet interface ensures secure device control and configuration under the SSH, SSL and HTTPS standards.

The Taurus UCX offers noiseless operation in most environments where conditions are considered regular, just like in a meeting room where temperatures do not exceed the low 20s in Celsius or about 70-75 in Fahrenheit. The built-in fan is designed to operate only if the device is installed in a cabinet or other environment with unsufficient air-flow. We specified a maximum of 30dBA noise level for our ventilation system in a meeting room, to comply with the NC-30 and NR 30 standards.

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The TAUROUS UCX product family is Lightware’s ground-breaking innovation offered for this increasingly growing demand for cutting-edge solutions in the world of Unified Communications.
The UCX-4x2-HC30 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.

Connections without Compromising on USB 3.1 Gen1

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 60w, 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 four 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.

Additional Features and Capabilities

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-4x2-HC30 adhere 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.

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Additional Features and Capabilities

Automated room control features are also included through GPIO ports, besides RS-232 and occupancy sensor connectivity.

Bring Collaboration Spaces to the Next Level

The UCX-4x2-HC30D 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 utilizing the available assets of the meeting space, just like the HDMI displays, room cameras, and other USB peripherals.

Separate Ethernet layers

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.

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**Details**

This Type-C to Type-C USB cable offers data speeds up to 5Gbps and allows users to connect their laptop or other devices to Lightware’s USB-C compatible extenders and switchers. The cable’s length of 3m is ideal for most meeting room and presenter’s desk applications.

The cable proved itself to work with great efficiency with our new USB-C capable Taurus UCX as well as with various source devices. Its reliability, build-quality and technical parameters make this accessory our number one choice for projects involving USB-C connectivity.

**Available Sizes**

<table>
<thead>
<tr>
<th>Cable Code</th>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAB-USBC-T300A</td>
<td>3m</td>
<td>Full-Featured USB Type-C cable for USB 3.1 Gen 1</td>
</tr>
<tr>
<td>CAB-USBC-T200A</td>
<td>2m</td>
<td>Full-Featured USB Type-C cable for USB 3.1 Gen 1</td>
</tr>
<tr>
<td>CAB-USBC-T100A</td>
<td>1m</td>
<td>Full-Featured USB Type-C cable for USB 3.1 Gen 2</td>
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</table>

USB Full-Featured Type-C cable for USB 3.1 Gen 1 (3m)
## Taurus UCX Comparison Chart

<table>
<thead>
<tr>
<th>UCX-2x2-H30</th>
<th>UCX-2x1-HC30</th>
<th>UCX-4x2-HC30</th>
<th>UCX-4x2-HC30D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resolution</strong></td>
<td>Up to UHD/4K@60Hz 4:4:4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Signal Type</strong></td>
<td>DP, HDMI 2.0, HDMI 1.4, DVI</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum data rate</strong></td>
<td>18 Gbps</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum pixel clock</strong></td>
<td>600 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Content protection</strong></td>
<td>HDCP 1.x, HDCP 2.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector type</strong></td>
<td>2x HDMI receptacle type A with screw locking option</td>
<td>1x HDMI receptacle type A with screw locking option</td>
<td>2x HDMI receptacle type A with screw locking option</td>
</tr>
<tr>
<td><strong>Video processing</strong></td>
<td>Signal parameter measurement</td>
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<tr>
<td><strong>Audio mode</strong></td>
<td>Simultaneous pass-through and de-embedding to the Audio layer</td>
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<td></td>
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<tr>
<td><strong>Supported audio formats for pass-through</strong></td>
<td>All HDMI 2.0 audio formats</td>
<td></td>
<td></td>
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<tr>
<td><strong>Supported audio formats for de-embedding</strong></td>
<td>Uncompressed: LPCM (up to 8 channels, 192 kHz, 24 bits per sample)</td>
<td>Compressed: Dolby Digital, DTS</td>
<td>Compressed HBR: Dolby TrueHD, DTS-HD</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td>1x 100Base-T via EtherCON for Secure Control</td>
<td>1x 100Base-T via EtherCON for Utility AV</td>
<td>1x 100Base-T via EtherCON for Secure Control</td>
</tr>
<tr>
<td><strong>User Data</strong></td>
<td>1x 100Base-T via EtherCON for Utility AV</td>
<td>1x 100Base-T via EtherCON for Secure Corporate Ethernet</td>
<td>1x 100Base-T via EtherCON for Secure Corporate Ethernet</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>1x 100Base-T via EtherCON for Dante audio (output)</td>
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<tr>
<td><strong>RS-232</strong></td>
<td>1x 3Pol Phoenix</td>
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<tr>
<td><strong>Symbol rate</strong></td>
<td>between 4800 and 115200 baud</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>8N1</td>
<td></td>
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</tr>
<tr>
<td><strong>USB</strong></td>
<td>Connectors: 1x mini USB Type B for LDC control, 1x USB Type C with charging function (2x30W), Optional Ethernet access, 2x USB Type B for user application, 4x USB Type A for peripherals</td>
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<tr>
<td><strong>Room Occupancy Sensor</strong></td>
<td>Connector 3Pol Phoenix</td>
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<tr>
<td><strong>Powering</strong></td>
<td>External 120W power supply</td>
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<tr>
<td><strong>Power consumption (max)</strong></td>
<td>TBD</td>
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<tr>
<td><strong>Thermal dissipation (max)</strong></td>
<td>TBD</td>
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<tr>
<td><strong>Weight</strong></td>
<td>TBD</td>
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<tr>
<td><strong>Operating conditions</strong></td>
<td>Ambient temperature 0-50°C</td>
<td>Relative humidity 0-90% (non-condensing)</td>
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<tr>
<td><strong>Transportation conditions</strong></td>
<td>Ambient temperature -20-70°C</td>
<td>Relative humidity 0-95% (non-condensing)</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>3 years</td>
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