DUCS-0402-PD

4x2 Conferencing Presentation Switcher with USB-C connectivity and Dante Audio

The **DUCS-0402-PD Conferencing Presentation Switcher** expands the functionality of meeting spaces by enabling participants to effortlessly connect their personal devices—like Laptop, Mobile, Tablets and select their preferred video conferencing platforms, while also taking advantage of the room's built-in resources such as HDMI displays, cameras, and USB peripherals. Featuring USB-C connectivity, the switcher streamlines the transmission of 4K video, audio, control, power and ethernet supporting data transfer speeds up to **10 Gbps** via **USB 3.2** and delivering video resolutions up to 4K@60Hz with 4:4:4 color sampling.

For devices without USB-C ports, the switcher offers seamless integration through HDMI 2.0 and USB 3.2 host connections, maintaining both high video quality and fast data speeds. Up to four hosts can be connected at once, with smooth switching between them, making this universal switcher ideal for compact meeting rooms accommodating 6–25 PAX. Additionally, the device includes automated room controls via GPIO ports, along with RS-232 and occupancy sensor compatibility. Its advanced audio features include analog audio de-embedding and support for DANTE network connections, allowing direct streaming of DANTE audio to a dedicated sound system.

Security remains a top priority in the corporate environment. To address this, **DUCS-0402-PD** has been designed to meet the most stringent security requirements. Secure Ethernet interfaces enable safe device control and configuration through SSH, SSL, and HTTPS protocols. The device can be securely integrated into a dedicated network of room control devices such as wall panels, or linked to the broader corporate system for enhanced control, all managed through distinct Ethernet layers.

The DUCS-0402-PD offers flexible audio configuration, allowing HDMI audio, USB audio, and Dante audio to be output through a local balanced audio output port, also with the option to output conference audio to remote Dante-supported devices through the Dante port.

The DUCS-0402-PD supports multiple control interfaces, including RS232, GPIO, RELAY, and Sensor interfaces, for seamless integration with various controlled devices. With complete network functionality, it provides 2 independent RJ-45 interfaces and supports USB-to-Ethernet functions. Through the VLAN division and 802.1x, switcher and USB networks can be separated to meet security requirements.

The DUCS-0402-PD provides multiple switching options, including automatic switching, manual switching, and configuration priority switching. It also supports HTTP and HTTPS configuration, 802.1x security, CEC and RS232 configuration, customized GPIO function, and comes with built-in Web UI and API control..

KOREAN EXCELLENCE

DUCS-0402-PD

Technical Specifications :	
Input / Output Ports	2 x HDMI IN, 2 x USB-C IN, 2 x HDMI OUT, 1 x HDBT, 2 x USB HOST (USB Type-B), 1 x AUDIO OUT (3.5mm, 5-pin phoenix connector), 4 x USB DEVICE (USB Type-A), 2 x RS232, 1 x GPIO (3.5mm, 6-pin phoenix connector), 2 x RELAY, 1 x SENSOR, 2 x ETHERNET (RJ45), 1 x DANTE (RJ45), 1 x DC 20V
Input/Output Signal Type	Supports HDMI 2.0 standard, up to 4K@60Hz 4:4:4 8bit or 4K@60Hz 4:2:2 12bit. Supports HDCP 2.2/1.4.
USB Host Input : 1 & 2	Supports USB 3.2 Gen 2x1 standard, up to 10Gbit/s
USB-C Input : 3 & 4	USB-C IN 3: USB-C supports USB 3.2 Gen 2x1 standard, and supports: Video: DP alt mode, SST only, up to 4K@60Hz. USB data: Up to 10Gbit/s. Charging: 60W.
	USB-C IN 4: USB-C supports USB 3.2 Gen 2x1 standard, and supports: Video: DP alt mode, MST dual output, up to 4K@60Hz. USB data: Up to 10Gbit/s. Charging: 60W
USB Device Port	Maximum supports USB 3.2 Gen 2x1 standard, up to 10Gbit/s. 5V/1.5A output per port.
Input/Output Resolution Supported	**VESA**: 800 x 600, 1024 x 768, 1280 x 768, 1280 x 800, 1280 x 960, 1280 x 1024, 1360 x 768, 1366 x 768, 1440 x 900, 1600 x 900, 1600 x 1200, 1680 x 1050, 1920 x 1200, 2048 x 1152, 2560 x 1440, 3440 x 1440 **CTA:** 1280x720P, 1920x1080P, 3840x2160P, 4096x2160P

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Technical Specifications :	
HDR	All HDR formats, including HDR 10, HLG, HDR 10+ and Dolby Vision
Audio Format	USB-C IN/HDMI IN/ HDMI OUT: Up to 7.1ch, including PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio and DTS:X. Audio de-embedding: Stereo only. Dante: Stereo only.
Ethernet	1000M/100M adaptive network
Maximum Data Rate	USB-C IN: 10Gbit/s (per lane) HDMI: 18Gbps USB 3.2: 10Gbit/s
Control Method	Front Panel Buttons, RS232, LAN (Telnet &Web UI)
General :	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 20V, 10A
Power Consumption (Max)	Without USB and Charging: 13.1W With USB + Charging: 155.6W
Dimension (W x H x D)	325mm x 25mm x 180.2mm / 12.80" x 0.98" x 7.09" (without mounting brackets)
Weight	1.45kg/3.20lbs