



### Kindermann signal management

# MultiSwitch 21 HDBT

The MultiSwitch 21 HDBT is the perfect switcher and extender for the use of UC equipment such as video soundbars, cameras and speakerphones in meeting rooms. It is also suitable for KVM applications.

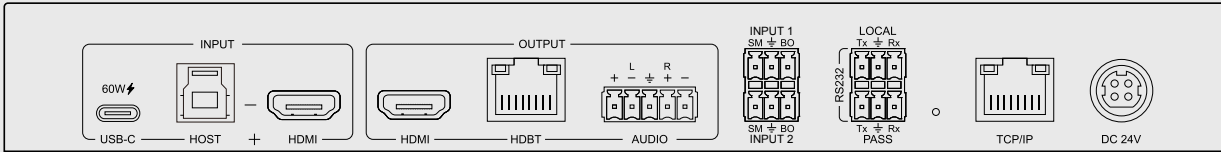
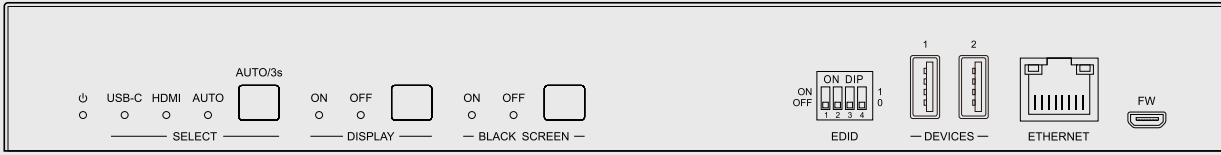
The MultiSwitch 21 HDBT is a multi-format switcher with HDMI and USB-C input. Thanks to the use of HDBaseT 3.0 technology it can transmit uncompressed video up to resolutions of 4K/60 4:4:4 including HDCP 2.2 and USB 2.0 data over a distance of up to 100 m via a single CAT6/7 cable. The extender also supports the transmission of 1 Gbit/s network, RS232 and bidirectional PoC and it has a variety of control options.

- > Supports HDMI 2.0 up to 4K@60HZ 4:4:4, HDR10 and Dolby Vision, HDCP 2.2
- > Inputs: 1 x HDMI with USB-B (Host), 1 x USB-C (for video and data)
- > Outputs: 1 x HDMI (Loop on Transmitter), 1 x HDMI (on Receiver)
- > HDBaseT 3.0 with 100 m range and bidirectional PoC (48V)
- > Supports RS232 and CEC control for connected devices
- > USB-C supports USB-PD 3.0 with up to 60W charging current
- > Automatic source selection via 5V or TMDS detection
- > Control via front keys, RS232, IP, contact inputs and WebUI

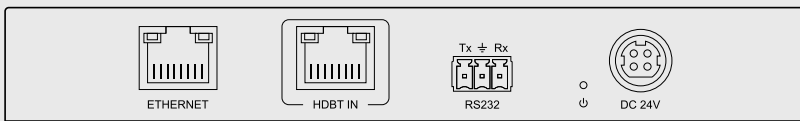
# Description

## Connections

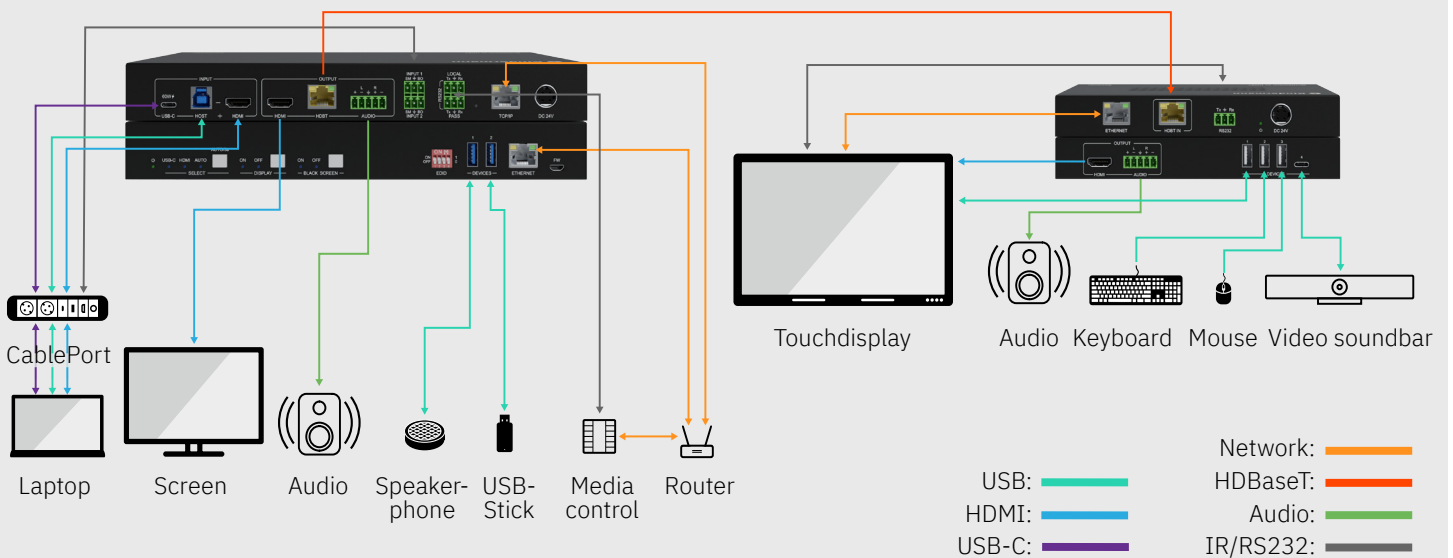
### Transmitter



### Receiver



## Connection example





Receiver

- > only 1 CAT cable required
- > up to 100 m range
- > stable, uncompressed data transmission

Transmitter

# Technical data

	Transmitter	Receiver
Article number	7488000160	
<b>Video</b>		
Video inputs	1 x HDMI (type-A female) 1 x USB-C (type-C female)	1 x HDBT (RJ45)
Input resolution	HDMI: up to 4K@60Hz 4:4:4 incl. HDR10 and Dolby Vision USB-C: up to 4K@60Hz 4:4:4 (DP alt & HDMI alt mode)	up to 4K@60Hz 4:4:4
Video outputs	1 x HDMI loop (type-A female) 1 x HDBaseT (RJ45)	1 x HDMI (type-A socket)
Output resolution	HDMI: up to 4K@60Hz 4:4:4 HDR10, Dolby Vision HDBaseT: up to 4K@60Hz 4:4:4	up to 4K@60Hz 4:4:4 HDR10, Dolby Vision
HDMI standard	HDMI 2.0b	
HDCP version	HDCP 2.2	
<b>Audio</b>		
Supported HDMI audio formats	LPCM 7.1 Audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™ and DTS-HD® Master Audio™ pass-through	
Audio outputs	1 x 5-pin euro block	
Frequency response	20Hz – 20KHz, ±3 dB	
SNR	> 80dB, 20Hz-20 kHz Bandbreite SPDIF: > 90dB, 20Hz-20 kHz Bandbreite	
<b>Data &amp; Control</b>		
Control interfaces	1 x EDID (4-fold DIP switch) 2 x USB DEVICE (type-A female) 1 x Ethernet (RJ45) 1 x Firmware (micro-USB) 1 x USB HOST (type-B female) 2 x Contact inputs (3-pin euro block) 2 x RS232 (3-pin euro block) 1 x TCP/IP (RJ45)	4 x USB DEVICE (3x type-A, 1x type-C, female) 1 x ETHERNET (RJ45) 1 x RS232 (3-pin euro block)
<b>General</b>		
Operating temperature	-5 - +55 °C	
Storage temperature	-25 - +70 °C	
Relative humidity	10 % ~ 90 %	
External power supply unit	Input: AC 100~240V, 50/60Hz; Output: 24V DC 5A.	
Power consumption	76.5W (max.)	
USB-C PD (charging current)	60W (max.)	
Dimensions (W x H x D)	265 x 150 x 32 mm	173 x 95 x 24.5 mm
Net weight	1020 g	410 g

All prices are net prices excl. VAT.  
Subject to change in the interest of progress. Illustrations and technical specifications may contain additional options and are not binding for the design. All dimensions are subject to the usual tolerances.

Presented by:



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