



Kindermann signal management

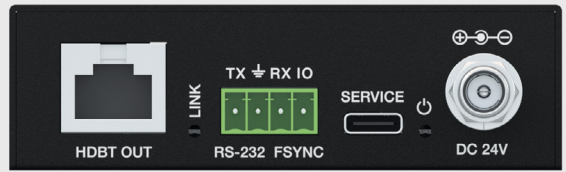
USB 3.2 Cat-Extender

The USB 3.2 Cat extender enables the transmission of USB signals up to 5 Gbps with a maximum range of up to 100 m via Cat6a cable. It consists of a transmitter and a receiver. The transmitter has a USB Type-B host connection and an HDBT output. The receiver has an HDBT input and four USB Type-A device connections. The USB 3.2 Cat-Extender is backwards compatible with USB 2.0 and USB 1.1. A remote PC can be connected to e.g. with a camera, mouse and keyboard.

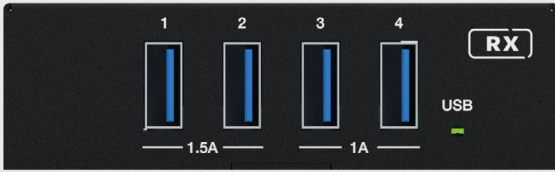
- > USB 3.2 Cat extender for connecting four USB devices to one host.
- > One USB Type-B host port and four USB Type-A device ports.
- > USB-device ports:
 - 2 x USB Type-A 3.0, up to 5 Gbps data rate and 5V/1A power.
 - 2 x USB Type-A 3.0, up to 5 Gbps data rate and 5V/1,5A power.
- > RS232 pass-through.
- > The power supply can be connected either to the transmitter or the receiver.
- > Plug & Play, no driver required.

Connections

Transmitter:

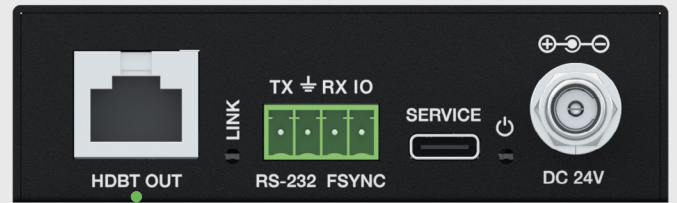


Receiver:

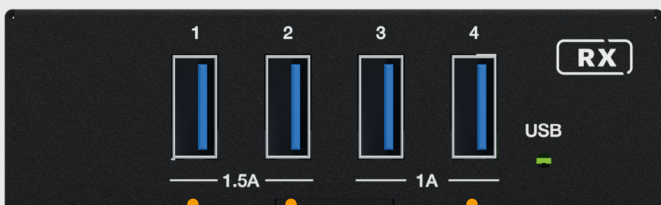


Block diagram

Transmitter:



Receiver:



Power supply

- USB-A —
- USB-B —
- CAT6a —
- Power —

Technical data

USB

USB protocol	USB 3.2 Gen 1
Data rate	Up to 5Gbps
Bandwith	10 Gbps
Transmission distance	100 m over CAT6a-cable

Data & control

Transmitter

Receiver

Control port	1 × USB host (Type-B) 1 × HDBT out (RJ45) 1 × RS232 (3-pin phoenix connector) 1 × FSYNC (1-pin phoenix connector) 1 × Service (USB Type-C)	4 × USB device (Type-A) 1 × HDBT in (RJ45) 1 × RS232 (3-pin phoenix connector) 1 × FSYNC (1-pin phoenix connector) 1 × Service (USB Type-C)
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General

Transmitter

Receiver

Operating temperature	0°C ~ 40°C
Storage temperature	-20°C ~ 60°C
Relative humidity	20~90 %
External power supply	In: AC 100 ~ 240V, 50/60Hz Out: 24V DC 2A
Power consumption	40 W (max).
Dimension (WxHxD)	85 × 25,5 × 100 mm
Product weight	253 g 260 g
Item number	7488000170

Stand: 07.2024

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.



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