



electronic components GmbH


MEDIA TECHNOLOGY



SIGNAL MANAGEMENT



In addition to our own products, we offer a wide range of signal management products for semi-professional and professional use in media technology. Our longtime partner for these items is Rexton in Taiwan. As a sales office for Europe, we have the majority of the products available from stock.

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- Good stock availability
 - Ideal to combine with our „snapControl“ controller family
 - Good price / performance ratio of the individual products
 - Product range matches from small to medium sized applications



HDBaseT™ is an international communications standard using only one cable (mostly network cable) developed by a association of companies in the HDBaseT™ Alliance.

The standards and also the technology are constantly being developed, the fields of application today are not only audiovisual applications but also automotive, medical and industrial. HDBaseT™ is a transmission standard for simultaneous uncompressed transmission of multiple types of signals.

The basic idea for this was the 5-play concept for the following applications:

- uncompressed high-resolution video and audio signals up to 4K, 3D
- Ethernet 100Mbps
- Control (serial RS232)
- USB (up to 2.0)
- Power up to 100W max. (PoE)
- The transmission takes place via a network cable up to a cable length of 100m.
- The standard for this is:
 - at least CAT5e or higher, unshielded or shielded
 - at least one cross-section of AWG24
 - Star wire cable (no flexible patch cords)

We provide a comprehensive range of cable and installation products to ensure a secure and trouble-free transmission. We use a AWG23 or AWG22 cable cross section as the CAT7 / CAT8 cable and connecting components that can carry the quite high current.

Many products are HDBaseT certified. We are happy to advise you.



Rextron is rigorously developing its HDBaseT™ device according to the application sheets of the HDBaseT organization. Therefore, all HDBaseT devices are compatible and compatible with HDBaseT enabled devices.

Rextron HDBaseT™ Devices Overview

HDMI HDBaseT Extender over one single CAT cable		
Part Number	Description	Features
EVBM-107L	Transmitter	4K/UHD Extender over CAT cable for HDMI signal, 4K/UHD up to 35m, Full-HD up to 70m, Phantom Power (only one side power supply, if possible Receiver)
EVBM-107R	Receiver	
EVBM-M107	Set, Transmitter+Receiver	
EVBM-110L	Transmitter	4K/UHD Extender over CAT cable for HDMI signal, 4K/UHD up to 70m, Full-HD up to 100m, Phantom Power (only one side power supply, if possible Receiver)
EVBM-110R	Receiver	
EVBM-M110	Set, Transmitter+Receiver	
EVBM-307EL	Mini-Transmitter Pigtail type	4K/UHD Mini-Transmitter Pigtail type with HDMI male Connector, PoH Power from Receiver, UHD signal up to 35m (307EL) or 70m (310EL)
EVBM-310EL		
EVBM-307ST	Receiver with PoH	4K/UHD Receiver with PoH Power supply 48V, fit to Mini-Transmitter, UHD signal up to 35m (307ST) or 70m (310ST)
EVBM-310ST		

HDMI + serial + IR HDBaseT Extender over one single CAT cable

Part Number	Description	Features
EVBMS-107L	Transmitter	4K/UHD Extender over CAT cable for HDMI + serial + IR (bidir.), 4K/UHD up to 35m, Full-HD up to 70m, Phantom Power
EVBMS-107R	Receiver	
EVBMS-M107	Set, Transmitter + Receiver	
EVBMS-110L	Transmitter	4K/UHD Extender over CAT cable for HDMI + serial + IR (bidir.), 4K/UHD up to 70m, Full-HD up to 100m, Phantom Power
EVBMS-110R	Receiver	
EVBMS-M110	Set, Transmitter + Receiver	

5Play HDBaseT Extender over single CAT cable (HDMI + serial + IR + TCP/IP + Power)

Part Number	Description	Features
EVBMN-110L	Transmitter	4K/UHD Extender over CAT cable, distribute HDMI / bi-directional LAN and serial and IR, Phantom Power (best from Rx), 4K/UHD signal up to 70m, Full-HD signal up to 100m
EVBMN-110R	Receiver	
EVBMN-M110	Set, Transmitter + Receiver	
EVBMN-210L	Transmitter 5Play (PoH)	HDBaseT™ certificated an compatible with PoH standard 4K/UHD Extender set over CAT cable, same features as EVBMN-M110, but with PoH standard 48V Power supply, exclusive 5Play™ features
EVBMN-210R	Receiver 5Play (PoH)	
EVBMN-M210	Set, Transmitter + Receiver 5Play (PoH)	

HDBaseT Extender with additional USB function, ideal for Touch Display / interactive Beamer

Part Number	Description	Features
EVBMU-6119L	4K/6G + USB Transmitter	4K/6G @ 60Hz 4:4:4 up to 70m, HDCP2.2 compliant, USB Port ideal for digital signage applications
EVBMU-6119R	4K/6G + USB Receiver	
EVBMU-M6119	4K/6G + USB Set Transmit. + Receiver	
EVBMU-2010L	Transmitter	HDBaseT™ 2.0 Extender for 4K signal, HDMI + USB2.0 + IR + SPDIF + serial, 4K up to 100m, USB Port is compatible to most USB device, ideal for Digital signage Displays, Phantom Power
EVBMU-2010R	Receiver	
EVBMU-M2010	Set, Transmitter + Receiver	
EVBMUN-2010L	Transmitter	HDBaseT™ 2.0 Extender for 4K signal, same as EVBMU-M2010 but with Ethernet, 4K up to 100m, USB Port is compatible to most USB device, ideal for Digital signage Displays, Phantom Power
EVBMUN-2010R	Receiver	
EVBMUN-M2010	Set, Transmitter + Receiver	

DisplayPort HDBaseT Extender over single CAT cable

Part Number	Description	Features
EVBPR-110L	Transmitter	DisplayPort Extender with HDBaseTTM technology, DP++ WQXGA (2560x1600) signal up to 70m
EVBPR-110R	Receiver	
EVBPR-M110	Set, Transmitter + Receiver	
EVBPR-139L	Transmitter	DisplayPort Extender (HDBaseT™), 4K/UHD signal up to 70m, Full-HD up to 100m
EVBPR-139R	Receiver	
EVBPR-M139	Set, Transmitter + Receiver	

Multi-Format HDBaseT Transmitter over single CAT cable

Part Number	Description	Features
EVBMV-1371LA1	Multi-Format Transmitter 2x HDMI + VGA/Audio	Multi-Format Transmitter with 3 or 4 Input, HDBaseT Transmission up to 70/100m, local HDMI Out, Audio-Out, IR-bidirektional, serial Control for Switch and empedded serial Signal over HDBaseT
EVBMV-1391LA1		
EVBMC-1471LA1	Multi-Format Transmitter 2xHDMI + VGA/Audio + DisplayPort	
EVBMC-1491LA1		
EVBMV-A1371WL	Wall-Plate Transmitter	4K UHD Transmitter Wall-Plate Design, 3 or 4 Input (HDMI, DP, VGA), HDBaseT Output, Transmission up to 70/100m, serial control
EVBMC-A1491WL	Wall-Plate Transmitter	

HDBaseT Splitter/Switch

Part Number	Description	Features
EVBM-S1474L	4-In/4-out Switch-Splitter	4x HDMI In to 4x HDBaseT Out, serial Control, Full-HD up to 70m each
EVBMR-1049L	Splitter HDMI / HDBaseT 4 Port	4/8 Port Splitter, HDMI In to 4/8-Port HDBaseT Output, 4K UHD with scaling function(Downscaling), Local HDMI Out, serial control

HDBaseT Repeater

Part Number	Description	Features
EVBMS-1472X	HDBaseT Repeater	4K UHD HDMI HDBaseT Repeater with IR & serial Control, 70/100m cable length
EVBMS-1272X	HDBaseT Repeater	
EVBMS-1292X	HDBaseT Repeater	



Part Number: EVBM-M107



Part Number: EVBMU-M2010



Part Number: EVBPR-M107

Phantom Power

Definition

The transmitters and receivers can be operated with only one voltage source. The best result is achieved when fed into the receiver. Due to the low voltage of 5V / 12V it can lead to errors in non-ideal wiring. Remedy here creates a second power supply, which is anyway recommended for a transmission distance of more than 30m.

PoH Support

Definition

The transmitters and receivers can be supplied with a power supply even with longer cable runs. The PoH (Power over HDBaseT) is compatible with PoE (Power over Ethernet). You can also power these devices with PoE injectors or switches. Please note that these devices must not be combined with devices with a smaller power supply!

Multi-Format-Geräte

Definition

We offer a range of devices with a multi-format input, with these devices was the HDBaseT transmitter is combined with a switcher. The conversion of different input signals to an outgoing HDMI signal allows very flexible applications for small conference rooms, schools, meeting point, etc. In combination with the control capability and the transmission of control signals to the terminal can thus build applications with a minimum of devices used.

Extender over IP

Another standard is transmission via the network (streaming). This offers all advantages above wherever one (or more) signal(s) is to be transmitted to many sinks.

The cabling takes place in a network structure (TCP / IP) and the signals can be connected via a managed switch accordingly. The applications here are advertising technology, point of sale, sports stadiums, etc. Compared to HDBaseT accounts for the relatively expensive repeater streaming.

The disadvantage is that you have a slight time delay depending on the cable length and installation. In combination with fiber optic cables, however, extremely long transmission distances can also be realized (up to 10km and longer). It can also control the video signal, IR, USB to be transmitted. Most streaming formats are supported, the best known here is probably H.264.



Extender over IP Overview

Extender over IP		
Part Number	Description	Features
IPVXM-M010	HDMI Extender over 100MHz LAN (H.264)	Extend HDMI Video Signal with 1080P over 100MHz LAN, 64 Channel selection, up to 6 pairings can be transmitted simultaneously over 100MHz Hub, each channel can be broadcasted up to 1000 locations,
IPVXM-010L	HDMI Broadcaster over 100MHz LAN (H.264)	
IPVXM-010R	HDMI Receiver over 100MHz LAN (H.264)	
NVKMU-M41	4K2K HDMI + USB + serial extender over Giga LAN	Extend HDMI Video Signal with 4K2K@30Hz over GigaLAN, 16 channel selection, up to 4 pairings can be transmitted simultaneously over GigaLAN, each channel can be broadcasted up to 1000 locations
NVKMU-41L	4K2K HDMI + USB + serial sender over Giga LAN	
NVKMU-41R	4K2K HDMI + USB + serial receiver over Giga LAN	
NVKMU-M42	4K2K PoE HDMI + USB + serial extender over Giga LAN	Extend HDMI Video Signal with 4K2K@30Hz over GigaLAN, 16 channel selection, up to 4 pairings can be transmitted simultaneously over GigaLAN, each channel can be broadcasted up to 1000 locations, with PoE Power
NVKMU-42L	4K2K PoE HDMI + USB + serial sender over Giga LAN	
NVKMU-42R	4K2K PoE HDMI + USB + serial receiver over Giga LAN	



Part Number: NVKMU-M42



Part Number: IPVXM-M010

Product table for Switch/Splitter/Matrix Overview

HDMI Video Switch	
Part Number	Features
VKSM-S6G41	4K/6G HDMI Video Switch with Audio, serial Control, 1x HDMI In, 4x HDMI Out
VKSM-S1091	4K HDMI Switch, serial Control, 1xHDMI In, 8x HDMI Out, dedicated cascade Port

Product table for Switch/Splitter/Matrix Overview

We offer a comprehensive range of switching products for various video signals. Also multi-format devices are on offer in which various input signals were combined in one device. Most devices are controllable and can thus be ideally integrated into a media technology application.

Switch: You have several input signals (even different ones) which are combined to one output signal

Splitter: You have an input signal and want to propagate this to several output signals

Matrix: You have multiple input signals and output signals and can assign each input to each output.

VGA Video Switch	
Part Number	Features
VSVA-S401	VGA+Audio Switch 4-Port, 1x In to 4x Out, serial control
VSVA-ED801	VGA+Audio Switch 8-Port, 1x In to 4x Out, serial control

DVI Video Switch	
Part Number	Features
VSDA-S401	DVI+Audio Switch 4-Port, 1x In to 4x Out, serial control

Multi-Format Video Switch	
Part Number	Features
VSAVM-021	Video Switch with VGA+Audio and HDMI input to HDMI Output, Autoswitch
VKSMV-311	Multi-Format Switch, Input 2xHDMI, 1x VGA+Audio, Output HDMI, serial Control, up to 4K
VKSMC-421	Multi-Format Switch, Input 2xHDMI, 1x VGA+Audio, 1x DisplayPort, Output HDMI, serial Control, up to 4K

HDMI Video Matrix	
Part Number	Features
XM-G0204	HDMI Video Matrix Full-HD 1080P, 2x Input to 4x Output, serial control
XM-G0404	HDMI Video Matrix Full-HD 1080P, 4x Input to 4x Output, serial control



Part Number: XM-G0204



Part Number: VSVA-S401

Product table for Switch/Splitter/Matrix Overview

HDMI Video Splitter

Part Number Features

VKSM-6G14	4K UHD HDMI Splitter, 1x Input to 4x Output
VKSM-6G18	4K UHD HDMI Splitter, 1x Input to 8x Output
VKSM-K618	4K UHD HDMI2.0 Splitter, 8 HDMI Out with scaling function

VGA Video Splitter

Part Number Features

VSVA-108	VGA+Audio Video Splitter, resolution 1920x1440, 1x In to 8x Out
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Part Number: VKSM-6G14

Other Devices

Converter

Part Number Features

VCAVM-021	Converter VGA+Audio In to HDMI Out, max. 5Gbps
VCPM-K91	4Kx2K Converter DisplayPort to HDMI
VKCPM-011	4Kx2K Converter DisplayPort to HDMI
VCAMM-012	HDMI Audio Extractor, HDMI Input, Output HDMI, Analog Stereo, S/PDIF, Full-HD 1080P
VKCMP-011	Converter HDMI to DisplayPort, resolution max 2560x1440
VCAMM-021	HDMI Audio Empepper, HDMI + Audio In to HDMI Out, Full-HD 1080P
VCAMV-012	Converter HDMI In to VGA + Audio Out, Full-HD 1080P / WUXGA
VCUM-3192	



Part Number: VKCMP-011



Part Number: VCAVM-021

Video-Booster

Part Number	Features
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VBSTM-K01	HDMI Video Booster 4K@30Hz up to 15m
VBSTM-K06	HDMI Video Booster 4K@60Hz up to 18M, 4K@30Hz up to 25m
VBSTP-K01	DisplayPort Video Booster UHD up to 13m
FVXA1M-M46	4K HDMI2.0 Extender over Fiber, 4K/6G 4:4:4 up to 300m, LC Multimode (OM3), HDCP2.2

USB

Part Number	Features
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USBX-M200	USB2.0 Extender Set over CAT up to 65m, Local Unit Mini-USB, Remote 4x USB2.0 Type A
UHUB-3104	

Serial Device

Part Number	Features
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SCSN-W91	Converter serial to WiFi 802.11 b/g wireless network, up to 921,600 bps
SRXS-M004	serial Extension Set over CAT up to 300m, 4 serial in to 4 serial out over one cable

Power Distribution

Part Number	Features
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DCSHR-005	DC Sharer 5V, Input for 5VDC Power Supply, Output 4x DC 5V, 2x USB-A 5V
DCSHR-012	DC Sharer 12V, Input for 12V DC Power Supply, Output 6x DC12V
PHQ-60BU	Power Hub, Input 100 - 240 VAC, Output 4x 12VDC, 4x 5VDC (DC-Plug+USB-A), max. 4A

Pattern Generator

Part Number	Features
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PTNGEN-K06	4K/6G HDMI2.0 Pattern Generator with various resolution, Color Space, HDCP, Dynamic Range output settings
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Part Number: DCSHR-005



FVXA1M-M46



The company Rexton offers a much wider range of products than shown here. If you have not found a device in these overviews, we can certainly offer you this anyway.

Just ask.



electronic components GmbH

MEDIA TECHNOLOGY

CONTROL

Proprietary developments for simple and affordable media solutions

SIGNAL MANAGEMENT

Signal transmission (HDBaseT), switch, distribute or convert, Rextron provides the right solution

CABLE SOLUTIONS

Connection cables for the professional user, stock goods and special solutions which fit on your needs

CONNECT

Connectors, adapters, keystone adapters, D-Hole, for every application the right connection

INSTALL

perfect installation solutions for floor, table, supply columns and ceiling

CUSTOMIZING

Proprietary development for simple and affordable media solutions

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