



# SDM-HBT3-TRX

## HDBaseT3 Full 4K SDM Transceiver Module



The SDM-HBT3-TRX is an HDBaseT3 transceiver SDM module, capable of being configured as a transmitter or receiver.

It is compatible with CYP's SDM input and output module platform and can be installed in products like the OR-32SDMI and OR-PIP42SDMO or other core platforms in the SDM range.

Users can easily switch the module card's mode by switching the TX and RX slide physical switch on the interface. While the module card is in transmitter mode, it is able to transmit HDMI signals from host products inputs, to a compatible HDBaseT3 receiver.

When in receiver mode, it receives a signal from a compatible HDBaseT3 transmitter and integrates this signal into the host products structure to be outputted by the host products outputs.

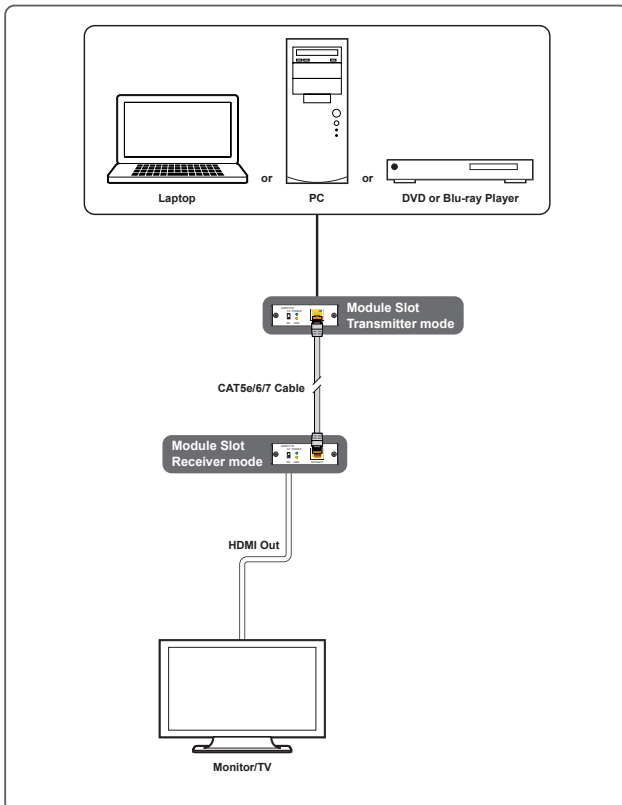
This module card supports point to point HDMI video and audio signals extension. The distance is up to 40 meters with resolutions up to 4K@60 via a category 6A/7 cables.

### PANELS



Front View

### DIAGRAM



### FEATURES

- HDMI 2.0 and HDCP 1.x and 2.2 compatible
- SDM Input/output transceiver module, for use with CYP's SDM host products
- HDBaseT3 is designed to be used with other HDBaseT3 products for full 4K compatibility but is also backwards compatible with HDBaseT spec 2.0 and spec 1.0 products
- Transceiver Module, can be easily switch from TX to RX mode via physical switch Supports input and output resolutions up to 4K@60Hz 4:4:4
- Supports HDR10 and Dolby Vision video formats The distance is up to 40 metres with resolutions up to 4K@60 via a category 6A/7 cables

### SPECIFICATIONS

#### Interfaces

<b>Bi-directional Port</b>	1×HDBaseT (RJ-45)
<b>Control</b>	1×Slide Switch

#### Video

<b>HDMI Compliance</b>	HDMI 2.0 (Edge Connector)
<b>HDCP Compliance</b>	2.2
<b>Input Signal Type</b>	4K@60 YUV 4:4:4
<b>Output Signal Type</b>	4K@60 YUV 4:4:4

	Interface	Resolutions
<b>Maximum Input</b>	HDMI (Edge Connector)	4096×2160p@60Hz YUV 4:4:4
	HDBaseT (RJ-45)	4096×2160p@60Hz YUV 4:4:4
<b>Maximum Output</b>	HDMI (Edge Connector)	4096×2160p@60Hz YUV 4:4:4
	HDBaseT (RJ-45)	4096×2160p@60Hz YUV 4:4:4

#### Audio

<b>HDMI</b>	Bypass
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#### Enclosure

<b>Chassis Material</b>	Metal (Steel)
<b>Chassis Colour</b>	Black
<b>Dimensions (W×H×D)</b>	128mm×25mm×75mm [Case Only] 128mm×25mm×75mm [All Inclusive]
<b>Weight</b>	72g

#### Field Firmware Update

Main Unit

### ORDERING INFORMATION

Model No.	Product Description
<b>SDM-HBT3-TRX</b>	HDBaseT3 Full 4K SDM Transceiver Module
<b>SDM-HBT1-TX</b>	HDBaseT1 Transmitter SDM Module
<b>SDM-HBT1-RX</b>	HDBaseT1 Receiver SDM Module
<b>OR-32SDMI</b>	3×2 Full 4K Matrix with USB-C, HDMI & SDM module inputs and HDMI outputs with USB Ethernet Hub
<b>OR-PIP42SDMO</b>	Multi-view Modular Processor with SDM Output Slot