

HBT150HMK-KIT

HDMI HDBaseT KVM Extender



Overview

The HBT150HMK-KIT is a professional-grade HDMI HDBaseT extender designed for high-bandwidth, visually lossless signal transmission across long distances using a single CAT6 cable. Engineered for mission-critical AV deployments, the solution extends DisplayPort video, USB KVM, and IR with exceptional stability and signal integrity. Supporting HDMI2.0b and HDCP 2.2, the system delivers full bandwidth 4K UHD video alongside multi-channel audio, USB keyboard/mouse control, and bi-directional control signals.

Built for demanding commercial, enterprise, control room, and medical environments, the extender enables reliable remote system control while preserving full 4K60 performance.

Key Features

- HDMI2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support Mix & Match with HBT150DPK-KIT
- Support video resolution up to 4K2K@60Hz YUV 4:4:4
- Signal transmission distance can be extended up to 100m for 4K60 signal or 150m for 1080P signal via a single CAT6 cable
- Support LPCM2.0 (96KHz), Dolby Digital Plus 5.1CH and DTS-HD Master 7.1CH
- Support smart methods of compression for visually lossless transmission
- Control a single DisplayPort PC, keyboard and mouse via KVM function
- Support Bi-directional IR and USB KVM signal pass-through
- Support bi-directional POC (Power over Cable) function
- Advanced EDID management
- Compact design for easy and flexible installation

HBT150HMK-RX	Receiver
Inputs	1x HDBT, 1x IR Rx, 2 × USB-A
Outputs	1x HDMI, 1x IR Tx
PSU	DC 24V 1A or PoC
Dimensions	140mm [W] x 65mm [D] x 18mm [H]
Net Weight	246g
HBT150HMK-TX	Transmitter
Inputs	1x HDMI, 1x IR Rx, 1x RS-232, 1 x USB-B
Outputs	1x HDBT, 1x IR Tx, 1x RS-232
PSU	DC 24V 1A or PoC
Dimensions	140mm [W] x 65mm [D] x 18mm [H]
Net Weight	246g
Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	20% ~ 90% (no condensation)
Warranty	2 years

System Diagram

