

HBT150DPK-KIT

DisplayPort HDBaseT KVM Extender



Overview

The HBT150DPK-KIT is a professional-grade DisplayPort 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, IR, and RS-232 control with exceptional stability and signal integrity. Supporting DisplayPort 1.2a 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

- DP 1.2a and HDCP 2.2 compliant
- Support 21.6Gbps video bandwidth
- Support Mix & Match with HBT150HMK-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, RS-232 and USB KVM signal pass-through
- Support bi-directional POC (Power over Cable) function
- Advanced EDID management
- Compact design for easy and flexible installation

HBT150DPK-RX	Receiver
Inputs	1x HDBT, 1x IR Rx, 1x RS-232, 2 x USB-A
Outputs	1x DP, 1x IR Tx, 1x RS-232
PSU	DC 24V 1A or PoC
Dimensions	140mm [W] x 65mm [D] x 18mm [H]
Net Weight	253g
HBT150DPK-TX	Transmitter
Inputs	1x DP, 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	241g
Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	20% ~ 90% (no condensation)
Warranty	2 years

System Diagram

