KD-X611ProK

Product Link

HDBaseT/HDMI via Single CAT5e/6 (Tx+Rx Set) Extenders with Audio De-embedding, EDID Control, Hot Plug Control, Long Range Mode, Full Buffer System, HDMI Pass-through, Ethernet, IR Sensor, Up/Down IR & RS-232, support Ultra HD/4K & HDCP2.2

Key Features

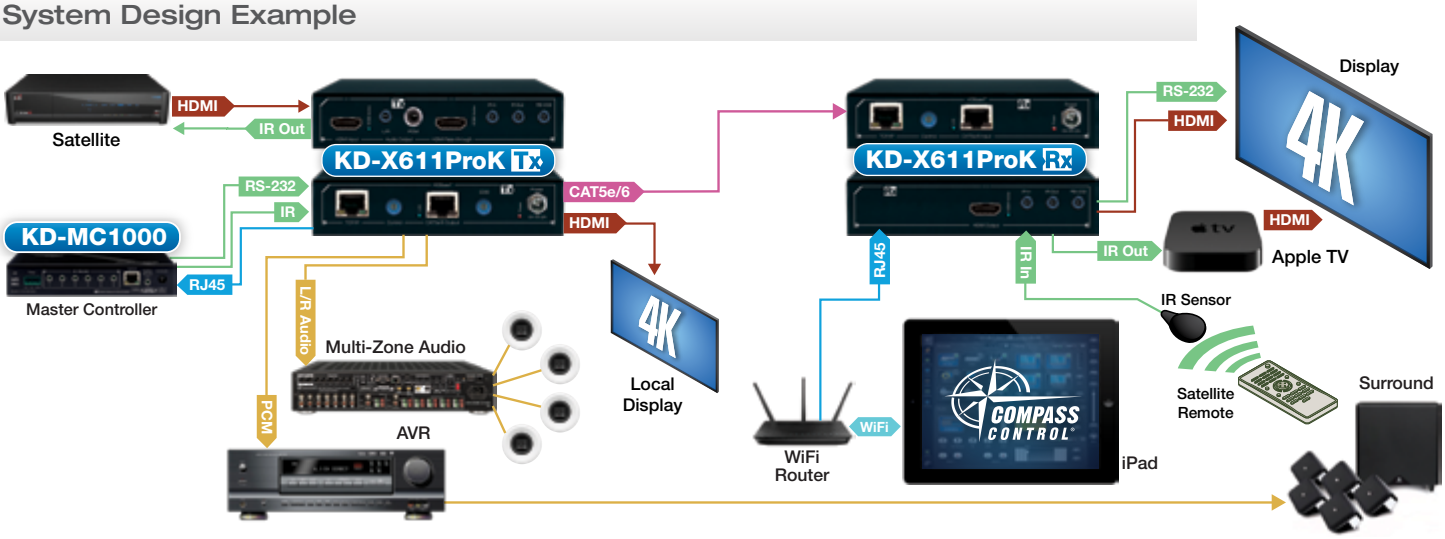
- **HDBaseT via Single CAT5e/6 UTP/STP Extension:** Fully automatic adjustment of feedback, equalization, and amplification depending on cabling length
- **Signal Extension: Standard Mode (HDBaseT Class A)** Resolutions up to 4K/UHD
  - Up to 350 ft. @ 4K/24/25/30/60 using KD-CAT6STP1X cabling
  - Up to 230 ft. @ 4K/24/25/30/60 using third-party CAT5e/6 UTP/STP cabling
  - Up to 400 ft. @ 1080p / 1920x1200 using KD-CAT6STP1X cabling
  - Up to 330 ft. @ 1080p / 1920x1200 using third-party CAT5e/6 UTP/STP
- **Signal Extension: Long Range Mode** (4K resolutions not supported):
  - Up to 600 ft. @ 1080p / 1920x1200 using KD-CAT6STP1X cabling
  - Up to 500 ft. @ 1080p / 1920x1200 using third-party CAT5e/6 UTP/STP
- **4K/Ultra HD Resolution:** Support for 4096x2160 or 3840x2160 24/25/30Hz at 4:4:4/8 Bit or 60Hz at 4:2:0/8 Bit
- **Audio De-Embedding:** Audio from the HDMI input is de-embedded through the Coax digital (PCM) and/or Analog L/R audio output
- **HDMI® and HDCP Licensing:** Fully licensed and compatible with HDCP 2.2 and HDMI latest technology such as 4K/UHD 4:2:0/8bit at 60f/s
- **EDID Control:** Internal library features 15 default EDID configurations and native EDID data from Output/Display devices connected via Rx
- **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected input devices
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug control
- **IR Sensor:** Sensor powering via +5V on Rx unit's IR In port collects line-of-sight IR from remote(s) without external IR connecting block
- **Up/Down IR:** Two channels of IR enable control to/from devices connected to Tx and Rx units
- **RS-232:** Bi-Directional control to/from Tx and Rx unit on 3.5mm connector
- **Rotary Switch RS-232 Control Mode:** Provides control of Tx unit as well as connectivity status
- **Ethernet:** Bi-Directional control and/or 10/100 LAN network via TCP/IP RJ45 port
- **HDMI Pass-through:** Port on Tx unit connects additional devices up to 20 ft.

- **Daisy Chaining:** Connection of Tx and Rx units allows almost unlimited extension of HDMI, RS-232, IR and Ethernet signals
- **3D:** Support for standard 3D stereoscopic signal formats
- **Deep Color Support:** 12bit Deep Color video / 8bit color for 4K/UHD
- **Lossless compressed digital audio:** Support for Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio™
- **CEC Support:** For inter-device control between main input and output HDMI channel
- **I2C Communication:** EDID and HDCP authentication to Display and Source
- **Control System Support:** Compatible with Compass Control®, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.

Specifications

- Inputs Tx (Each): 1 HDMI, 1 IR In, 1 Bi-Directional RS-232, 1 TCP/IP
- Outputs Tx (Each): 1 CAT5e/6 UTP/STP, 1 IR Out, 1 Analog Audio, 1 Digital Audio, 1 HDMI pass-through
- Inputs Rx (Each): 1 CAT5e/6 UTP/STP, 1 IR In
- Outputs Rx (Each): 1 HDMI, 1 Bi-Directional RS-232, 1 TCP/IP
- Regulation: CE, RoHS, WEEE
- Enclosure: Black Metal
- Product (Each): 5" x 4.06" x 1.06", Weight: 0.6 lbs
- Shipping Carton: 8.67" x 4.1" x 4.7", Weight: 2.5 lbs
- Power Supply: (2) KD-PS5V2ASC, 5V/2A, 100-240VAC, 50-60Hz, Interchangeable head with screw-in connector
- Accessories: (2) Mounting Brackets, (1) IR Emitter, (1) IR Sensor

System Design Example



* For all installations, we highly recommend use of KD-CAT6STP1X STP cabling, especially in hostile electrical environments. The shield of CAT6STP must be soldered on both ends to the shield of RJ45 connector used. The CAT5/5e/6 cable has to be terminated according to TIA/EIA-568-B standard. The use of STP CAT5, 5e is not recommended.