

# MS-210U6S

## HDBaseT Extender Set

**M Solutions**



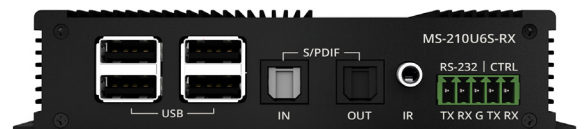
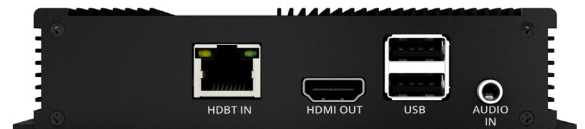
### Description:

The MSolutions MS-210U6S is a 4K HDMI / KVM HDBaseT extender set allowing for uncompressed video and audio to be extended up to 40m at 4K UHD (10.2Gbps), and 70m at 1080p or lower resolutions. 6x independent USB2.0 channels allow for bi-directional USB client to host connectivity for connectivity of various peripherals in a variety of commercial and residential applications. 2-way Optical S/PDIF audio return enables the sink to return audio to an audio amplification or distribution device located remotely to the display, and distribution from TX to RX. An additional one way analogue audio pass-through allows for a separate audio signal to be returned from the receiver to the transmitter. The unit also features RS-232 serial pass-through and single channel IR pass-through from TX to RX, or RX to TX. HDBaseT compliant PoE allows for the RX unit to be powered remotely from the TX.

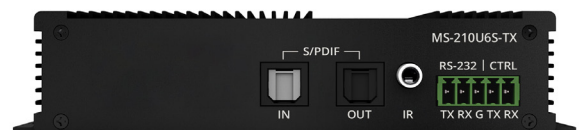
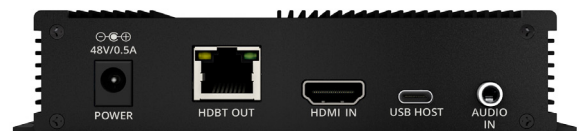
### Key Features:

- Uncompressed extension of HDMI at resolutions up to 4K 60Hz 4:2:0 / 4K 30Hz 4:4:4 using HDBaseT technology
- 4K signal extension to 40m over single CAT including HDR formats supported under 10.2Gbps
- 1080p or lower video resolutions up to 70m over single CAT
- Supports HDMI pass-through all known HDMI audio formats including Dolby Atmos / DTS:X
- HDBaseT 48V standard PoE support to power RX from the TX
- 6x USB2.0 channels for KVM connectivity of multiple USB devices across the link - max 240Mbps data rate pass-through (combined)
- Flexible USB extension for: USB2.0 cameras, touch screens, smart boards, hard drivers, games controllers,
- USB audio devices, printers, scanners and HID's (mouse or keyboard)
- Bi-directional S/PDIF (Digital Optical Toslink) connectivity (TX to RX, RX to TX)
- Independent 1-way analogue audio pass-through (RX to TX)
- Bi-directional RS-232 serial pass through
- Single channel 5V IR pass-through (TX to RX, or, RX to TX)
- CEC (Consumer Electronics Control) pass through
- HDCP2.2 compliant

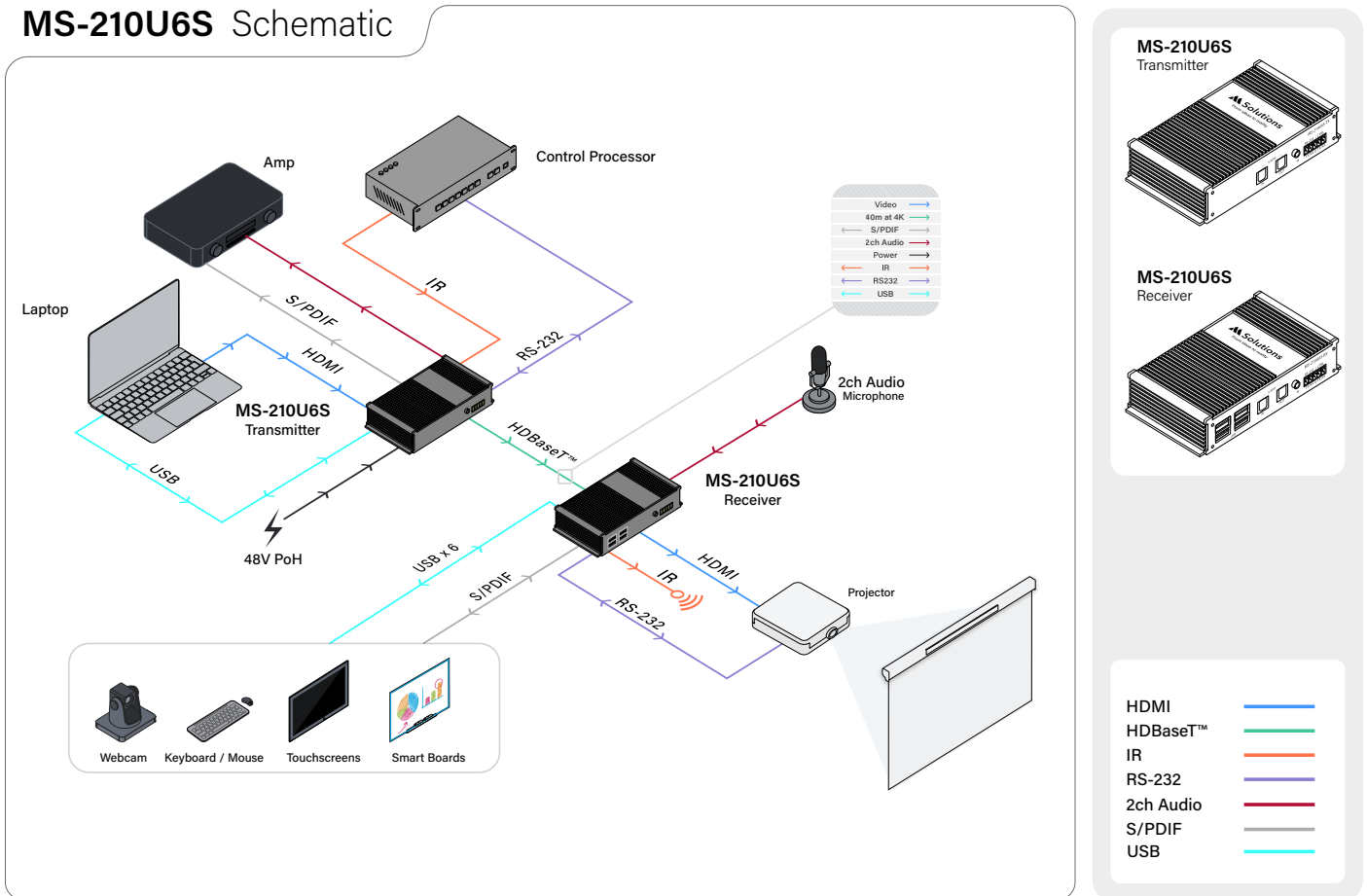
### Receiver



### Transmitter



## MS-210U6S Schematic



## Specifications:

- Video connectivity TX: 1x HDMI input (female), 1x HDBaseT output (RJ45 keystone)
- Video connectivity RX: 1x HDBaseT input (RJ45 keystone), 1x HDMI output (female)
- Digital audio connectivity (TX & RX): 2x S/PDIF Toslink Optical – send and receive
- Analogue audio connectivity: 1x Analogue audio in (RX), 1x Analogue audio out (TX) – 3.5mm jack (female)
- USB connectivity: RX – 6x USB Type A (female); TX – 1x Micro-USB (female)
- IR connectivity (TX & RX): 1x 3.5mm stereo jack (female) – IR TX or IR RX
- RS-232 connectivity (TX & RX): 1x 5-pin phoenix connector, block included – serial pass-through and f/w upgrade
- Power supply (TX): 1x 48V 0.5A DC
- Power consumption: 15W
- Individual unit dimensions (W x D x H): 135 x 70 x 31mm
- Individual unit weight: 0.2kg
- Operating temperature: 32°F to 104°F (0°C to 40°C)
- Storage temperature: -4°F to 140°F (-20°C to 60°C)
- Operating humidity: 0-80% non condensing



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