

MS-210U4P

HDBaseT Extender Set

M Solutions



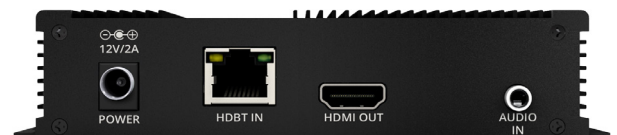
Description:

The MSolutions MS-210U4P 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. 4x independent USB2.0 channels allow for bi-directional USB client to host connectivity for connectivity of various peripherals in a variety of commercial applications. The unit also features RS-232 serial pass-through, single channel IR pass-through from TX to RX, or RX to TX, and separate analogue 2ch audio pass-through (RX to TX). Bi-directional PoC (Power over Cable) allows for either the TX or RX to be powered.

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
- Bi-directional 12V PoC (Power over Cable)
- HDBaseT 48V standard PoE support to power RX from the TX
- 4x USB2.0 channels for KVM connectivity of multiple USB devices across the link – max 320Mbps 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)
- 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

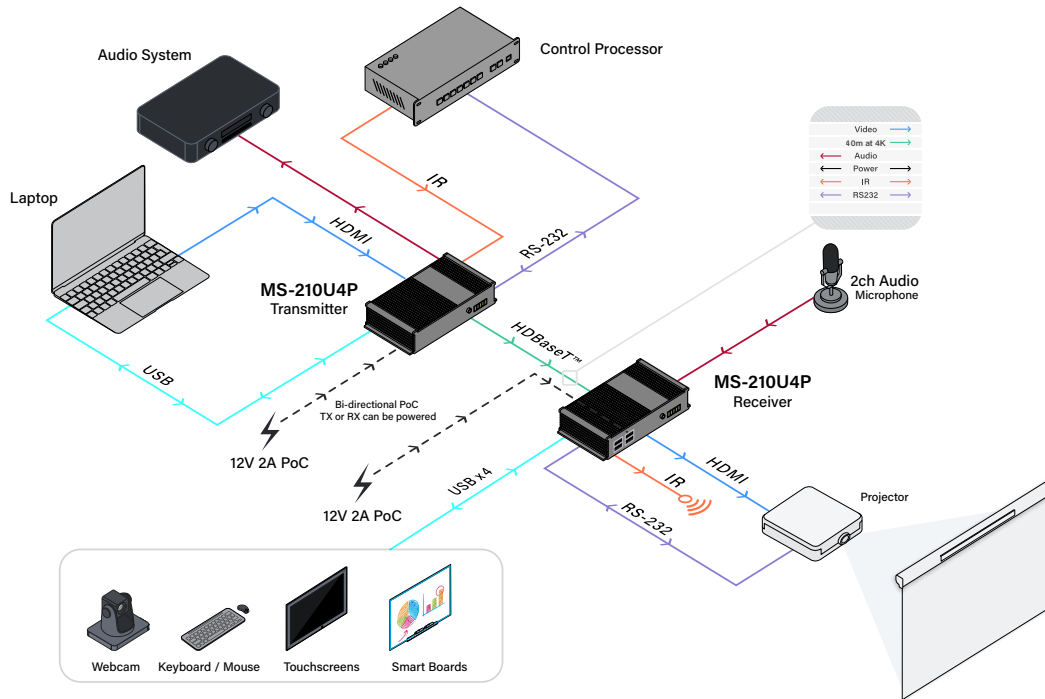
Receiver



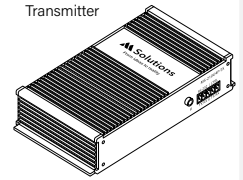
Transmitter



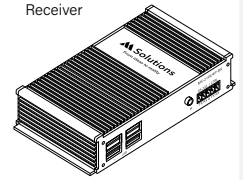
MS-210U4P Schematic



MS-210U4P Transmitter



MS-210U4P Receiver



HDMI	Blue line
HDBaseT™	Green line
IR	Red line
RS-232	Purple line
Audio	Brown line
USB	Cyan line



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)
- Analogue audio connectivity: 1x Analogue audio in (RX), 1x Analogue audio out (TX) – 3.5mm jack (female)
- USB connectivity: RX – 4x 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: 1x 12V 2A DC
- Power consumption: 13.5W
- 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



Version - RevA0

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