MS-6U1CP
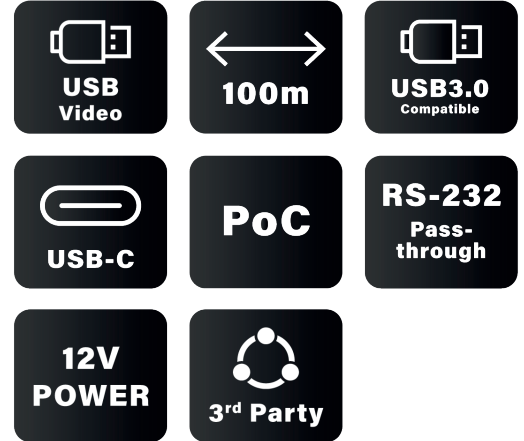
USB-C & 12V Power Extender Set - up to 100m
For extending USB Cameras and power over a single cable

M Solutions

USB Video

100m

USB3.0 Compatible

USB-C

PoC

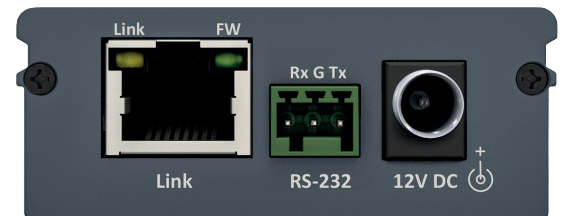**RS-232 Pass-through**

12V POWER

3rd Party

Description:

The MSolutions MS-6U1CP is a professional grade USB-C extender allowing for a single USB-C data channel to be extended to distances of up to 100m over a single CATx cable infrastructure. The extender features RS-232 serial pass-through, and 12V PoC (Power over Cable) from the Host side to supply 12V 2A DC power for connected VC equipment at the Device side.
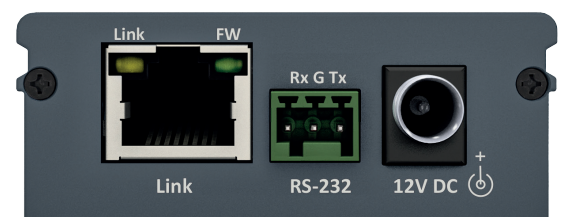
Key Features:

- Solves the challenge of extending USB camera data and power over a single category cable up to 100m
- 12V output on Device side for remote powering of connected VC equipment (or PoC to the TX if power to the VC device is not required)
- 1x USB-C channel for up to 320Mbps data connectivity of USB-C devices across the link
- Flexible USB extension for: USB-C PTZ cameras, hard drives, laptops and other USB-C peripherals
- Bi-directional RS-232 serial pass through
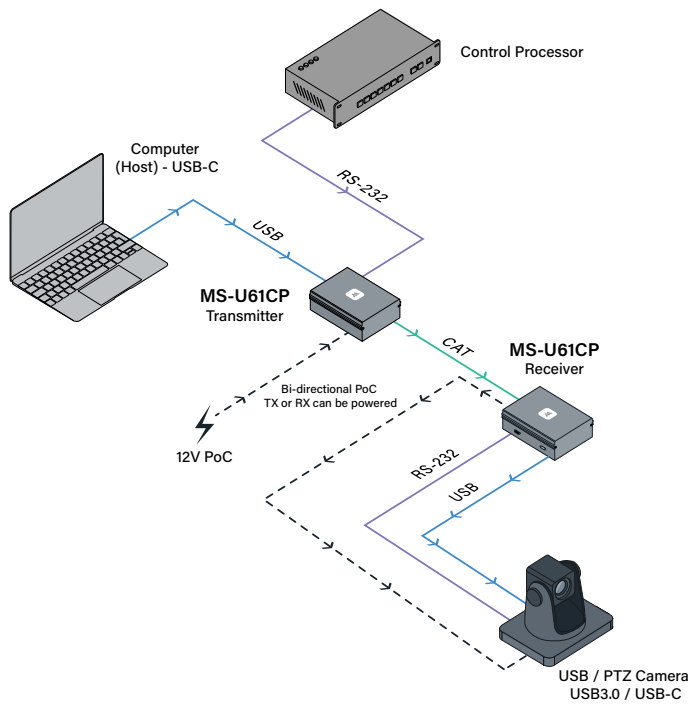- Bi-directional 12V PoC (Power over Cable)

Device
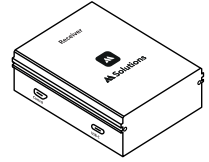

Host

MS-6U1CP Schematic

Control Processor

Computer (Host) - USB-C

RS-232

USB

MS-U61CP
Transmitter

CAT

MS-U61CP
Receiver

Bi-directional PoC
TX or RX can be powered

12V PoC

RS-232

USB

USB / PTZ Camera
USB3.0 / USB-C

M Solutions

MS-U61CP
Transmitter

MS-U61CP
Receiver

USB	————
CAT	————
RS-232	————
Power	————

Specifications:

- USB connectivity TX: 1x USB-C (female) - data only
- USB connectivity RX: 1x USB-C (female) - data only
- Micro-USB connectivity (TX & RX): for product update, and Cloud control (future)
- RS-232 connectivity (TX & RX): 1x 3-pin phoenix connector, block included
- Power supply: 1x 12V 2A DC - connections on either TX or RX
- Power output (RX): 1x 12V 1.5A Max DC - for powering VC equipment on RX (where POC is coming from TX)
- Power consumption: 4.5W
- Individual unit dimensions (W x D x H): 60 x 84 x 25mm
- Individual unit weight: 0.1kg
- Package dimensions (W x D x H): 163 x 147 x 85mm
- Package weight: 0.5kg
- Master carton quantity: 18
- Master carton dimensions (W x D x H): 540 x 270 x 260mm
- Master carton weight: 10kg
- 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

M Solutions
From ideas to reality.