MS-DPA-P

MS Solutions

The Ultimate Plug-and-Play USB-C
DP Alternate Mode Extender for 4K Video, Data and Charging





Description:

The MS-DPA-P USB-C Extender offers a new level of seamless connectivity. This product is capable of extending USB-C DP Alternate Mode over a single category cable. Supporting USB-C Display Port with video up to 4K 60Hz 4:4:4 18G and USB 2.0 data, this solution delivers flawless performance with **no Driver Installation,** no applications required, and no hassle. The MS-DPA-P extender ensures versatile connectivity for video and data – all through a single connection including a 60W charge of the laptop from the Host unit and separate physical HDMI and USB-C ports on the device unit. The ultimate plug-and-play USB-C extender.

Host





Device





Key Features:

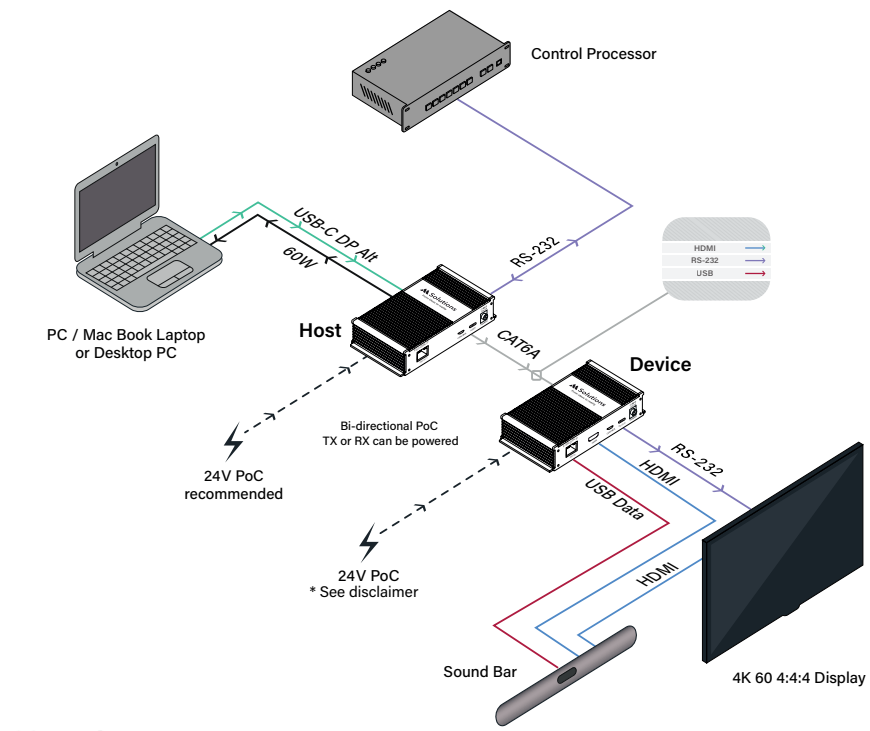
- Support for 4/2 lanes in DisplayPort Alt Mode via USB Type-C
- Robust video performance, supporting 4K60 4:4:4 18G
- Extension of USB DP Alternate mode signals up to 100m over a single CAT6A cable
- Separate physical HDMI port for video and a USB-C port for data on the device side
- Bi-directional RS-232 serial pass through
- Bi-directional 24V PoC (Power over Cable)
- HDCP2.2 compliant
- Compatible with Mac and Windows devices

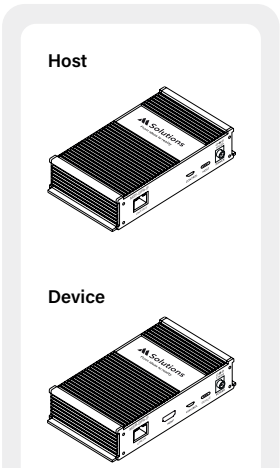
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MS-DPA-P Schematic





*** For Guaranteed Performance:** Always connect the power supply to the Host side when host laptop charging is required.

Device-Side Powering: Charging functionality when powered from the Device side is host-dependent, cannot be guaranteed for all PC models, and may affect link stability.

USB-C DP Alt
RS-232
USB
HDMI

Specifications:

- Host (TX): 1x link output (RJ45 port), 1x USB-C (Female) - data, video and laptop charging
- Micro-USB connectivity for product update, Cloud control and monitoring
- Device (RX): 1x link input (RJ45 port), 1x USB-C (Female) for data, 1x HDMI output for video
- Micro-USB connectivity for product update, Cloud control and monitoring
- RS-232 connectivity (Host & Device): 1x 3-pin phoenix connector, block included
- Power supply: 1x 24V 4A DC
- Power consumption: 10W
- Charging Power: 60W
- Individual unit dimensions (W x D x H): 135 x 70 x 31mm
- Individual unit weight: 0.24kg (0.53 lb)
- Package dimensions (W x D x H): 163 x 147 x 85mm
- Package weight: 1kg (2.2 lb)
- 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
- Installation requires CAT6A cable or above

RoHS Compliant

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