

Adder XD522-DP-PAIR-US DisplayPort/Thunderbolt/Video Extender Kit (Transmitter/Receiver) with USB 2.0

Hardware compatibility

All computers with DisplayPort, USB, audio, RS232 - requirement dependent.

DisplayPort interface

The system supports resolutions to a maximum of 2560 x1600 or two 1920 x1200 screens. The receiver unit supports DisplayPort Dual Mode (DP++) also. DPCP and HDCP are not supported.

USB 2.0

Supports up to six USB 2.0 devices (low or full speed). The system does not allow non-HID devices on ports marked "A". Isochronous devices are supported (i.e. USB audio or video devices) on the Hi-Speed link only marked "B".

Digital stereo audio

The system delivers analog stereo audio (Line in, Line out) and supports microphone input and headphones. It also delivers S/PDIF (optical input) via a 3.5mm jack line in connector (mini Toslink).

RS232

RS232 can be passed between the units to a maximum baud rate of 115K2 via the options port.

Software compatibility

All known operating systems.

Computer connections Transmitter (TX)

DisplayPort x 2, Audio 3.5mm in, Audio 3.5mm out, USB type B x 2 , RS232 10p10c options port.

Peripheral connections Receiver (RX)

DisplayPort ++ x 2, Audio 3.5mm in, Audio 3.5mm out, Headphone 3.5mm out, Microphone 3.5mm in, USB type A x 4, RS232 10p10c options port.

Physical design

1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 120mm/4.8" (d), 0.75kg/1.65lbs.

Power

2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.8A, input to power adapter, 5VDC 20W output from power adapter.

Operating temperature

0 to 40°C / 32 to 104°F.

Approvals

CE, FCC

Important Extension distance Information

Recommended cables are CAT7 shielded foiled twisted pairs: Daetwyler 7702 Flexible patch cable Daetwyler 7120 Bulk cable

Resolution	Cable Type	Patch connections	Distance
2560x1600@60Hz or two 1920x1080@60Hz	CAT7 Bulk (trunk)	0	100 metres
2560x1600@60Hz	CAT7 Patch	2	80 metres
2560x1600@60Hz	CAT6a	2	70 metres
2560x1600@60Hz	CAT5e	2	60 metres
Single 1920x1080@60Hz	CAT5e	2	150 metres

Note:

Distances are achieved using single lengths of trunk/bulk cable with two 3 meter CAT7a patch cables. For each additional break/patch connection reduce distance by 5 meters. Preferably patch cables should be of type CAT7a and less than 2 meters. Patch cables over 2 meters must be CAT7a.