

AVG-PWEX40-KVMW015

1-Gang 4K USB-C Wall-Plate Transmitter



This AVönic product is a 1-gang USB-C 4K wall-plate transmitter. It features one USB type-C input for transmitting 4K@60Hz 4:2:0 8bit and 4K@30Hz 4:4:4 8bit video signal, USB 2.0 signal and 100W charging (when connected external power adapter to POWER IN (USB-C) port). It can transmit 4K signal up to 35m/115ft via a single Cat 5e/6 cable and up to 40m/131ft via a single Cat 6A/7 cable. With one-way PoH function, the transmitter can be powered by the receiver with PSE module such as RX-500. The transmitter also features USB pass-through and RS232 pass-through over HDBT, and it also supports firmware upgrading through RS232 port.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- One USB type-C input port, supports transmitting video, audio, USB 2.0 and 100W charging (when connected external power adapter to the POWER IN (USB-C) port).
- Transmits 4K signal up to 35m/115ft and 1080P signal up to 60m/197ft via a single Cat 5e/6 cable.
- Transmits 4K signal up to 40m/131ft for 4K and 1080P signal up to 70m/230ft via a single Cat 6A/7 cable.
- Supports one-way PoH, the transmitter can be powered by the receiver with PSE module.
- Supports USB pass-through and RS232 pass-through via HDBT port.
- Supports FW update.

Specifications

Technical	
Input/Output Port	1 x USB-C IN, 1 x POWER IN (USB-C), 1 x RS232, 1 x DIP Switch, 1 x DC 12V IN (2-Pin Phoenix Connector)
Input/Output Resolution Supported	<p>VESA: 800x6008, 1024x7688, 1024x7688, 1280x7688, 1280x8008, 1280x9608, 1280x10248, 1360x7688, 1366x7688, 1400x10508, 1440x9008, 1600x9008, 1600x12008, 1680x10508, 1920x12008</p> <p>SMPTE: 1280x720P1,2,3,4,5,6,7,8, 1920x1080I6,8, 1920x1080P1,2,3,4,5,6,7,8, 3840x21602,3,5,6,8, 4096x21602,3,5,6,8 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz</p> <p>Note: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only</p>

Input/Output Audio formats Supported	Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
Maximum Data Rate	5Gbps (Per lane)

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model:

General	
	±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 12V/3A, with PoH function, the transmitter can be powered by the receiver with PSE module such as
Power Consumption (Max)	4.18W
Device Dimension (W x H x D)	45mm x 45.3mm x 105.6mm/1.77" x 1.78" x 4.16"
Product Weight	0.21kg/0.46lb


Transmission Distance

Cable Type	Range	Supported Video
Cat 5e/6	60m/197ft	1080P@60 36bpp
Cat 6A/7	70m/230ft	
Cat 5e/6	35m/115ft	4K@30Hz 4:4:4 24bpp 4K@60 4:2:0 24bpp
Cat 6A/7	40m/131ft	



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