

AVG-FU3EX100-UCDL

100m USB 3.2 Extender Device Side with DisplayLink



This AVönic product is a USB 3.2 extender Device Side that supports DisplayLink technology. It is a multifunctional KVM extender designed for small video conferencing or work-from-home (WFH). It can be used with any USB Host of product to achieve long-distance transmission of dual 4K@60Hz video, USB 3.2 data, audio, 1G network, RS232 control and power. Supports 100m transmission via a single Cat 6A/7 F/FTP or U/FTP cable.

The product supports DisplayLink technology and has a built-in DisplayLink driver. Easy installation without network download. After installing the driver, regardless of whether the connected computer supports video output capability, the MST dual video output function can be achieved through the legacy USB-A port or the latest USB-C port. Using this extender can also solve the problem that the Macbook with an M series chip does not support MST output.

This device has a built-in bidirectional PoH+ function, which can be used with different Host ends to achieve different interface and application requirements.

Cooperation

Supports working with the following Host Side:

- Host Side with USB-B in.
- Host Side with USB-C in.
- 1-Gang US Wall-plate Host Side with USB-C in.
- 2x1 USB-C&USB-B switching Host Side.
- 2x1 USB-C&USB-B switching Host Side with 100W charging

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Multi-function USB 3.2 extender device side with DisplayLink.
- Cooperate with any USB 3.2 extender Host Side to realise 4K video, USB, Ethernet, audio, RS232 and power long-distance transmission.
- Built-in DisplayLink technology, it allows any computer to get video output capability through a normal USB-A/USB-C interface.
- Supports 100m/330ft transmission distance via a signal Cat 6A/7 F/FTP or U/FTP cable.
- Supports TWO 4K@60Hz HDMI video output.
- Supports USB 3.2 Gen 1 standard, 5Gbit/s data rate, and is backwards compatible with USB 3.0, USB 2.0, and USB 1.1 standards.

- Provides 1G network connection for connected laptops.
- Provides 2x USB-A and 1x USB-C device ports for video conferencing applications or connecting USB peripherals.
- Supports RS232 and FSYNC GPIO pass-through for industrial camera control.
- Support firmware upgrading via micro-USB port
- Built-in a USB flash to store DisplayLink driver, and no need to download from the website.
- Built-in two-way PoH+ modules, it can draw power from the Host side that supports PoH+, or provide power to the Host side.

Specifications

Technical	
Input Port	1x USB3-LINK (RJ45)
Output Port	2x HDMI outs, 3x USB DEVICE (2 USB Type-A + 1 USB Type-C); 1 x RS232 & FSYNC (3.5mm, 4-Pin Phoenix Connector); 1 x LAN; 1 x AUDIO OUT (3.5mm, 5-Pin Phoenix Connector); 2 x HDMI OUT; 1 x POWER; 1 x UPDATE (Micro-USB)
Video Output Resolution	HDMI 2.0, up to 4K@60Hz 4:4:4 8bit.
USB Standard	USB 3.2 Gen1, and backward compatible with USB 3.0, USB 2.0, and USB 1.1 standards
USB Data Rate	Up to 5Gbit/s
Ethernet	1G
Audio Output	PCM 2.0

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: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	20V, 3A
Power Consumption (Max)	TBD

General	
Device Dimension (W x H x D)	200mm x 25mm x 120.2mm / 7.87" x 0.98" x 4.73"
Product Weight	0.66kg/1.46lbs

Transmission Distance

Note:

- Straight-through category cable wired to T568B standard is recommended.
- For max HDMI 2.0 performance, recommended cable is: Cat 6A U/FTP or F/FTP.

Cable Type	Range
Cat 6A (U/FTP / F/FTP)	100m/330ft



Contact


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