



100 M USB 3.2 Gen 1 Extender Kit AC-EXUSB-3-KIT

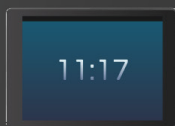
The AC-EXUSB-3-KIT is a versatile extension solution, featuring four USB 3.2 Gen 1 Type-A female ports that can transport up to four USB signals over distances of up to 100 meters using stable HDBaseT technology. This kit, which can also accommodate USB 2.0 and 1.0 signals, acts as a hub at the device end, allowing connection of up to four peripherals to the Host unit. Its compact design and power flexibility make it easy to deploy, and it excels in scenarios like office and conference room setups where USB extension is critical for devices like soundbars, microphones, speakers, and web cameras. With its ability to handle a variety of USB signal standards simultaneously, this kit offers seamless integration with AV setups, guaranteeing safe and unaltered transmission of data across diverse peripherals.



OFFICE USB EXTENSION APPLICATION

CAT
USB

USB UCC CODEC



AC-EXUSB-3-HOST



AC-EXUSB-3-DEVICE



USB 3.X CAMERA



USB 2 MICROPHONE

USB 1.X MOUSE

USB 1.X KEYBOARD

PRODUCT SPECIFICATIONS

Distance:	
Distance	100 Meters (328 Feet)
USB Capabilities:	
Compatibility	USB 1.0, 2.0, 3.X up to 3.2 Gen1
Bandwidth	Up to 5 Gbps (3.2 Gen1)
Power	USB 1.0/2.0 – 5 V, 500 mA USB 3.X – 5 V, 900 mA"
Transfer Type	Asynchronous, Isochronous, Bulk, Control, Interrupt
UVC Support	Up to UVC 1.5
UAC Support	Up to UAC 3.0
Virtual Graphics	DisplayLink
Consumed USB Tiers	
USB 2.X	1 Tier – HDBaseT Chipset
USB 3.X	2 Tiers – HDBaseT Chipset + Embedded Hub
Ports:	
HDBaseT	RJ45
Power	2 Pin Locking Phoenix
USB Host	USB Type-C
USB Device	4x USB Type-A
Environmental:	
Operating Temp	23 to 125°F (-5 to 51°C)
Storage Temp	-4 to 140°F (-20 to 60°C)
Humidity Range	5-90% RH (No Condensation)
Power:	
Power Consumption	24 Watts Max
Power Supply	Input: AC 100-240V ~ 50/60Hz Output: DC 48V, 1A
Dimensions:	
Dimensions Host (Length/Width/Height)	mm: 79 x 79 x 19 inches: 3.1 x 3.1 x .75
Dimensions Device (Length/Width/Height)	mm: 79 x 109 x 19 inches: 3.1 x 4.3 x .75
Weight Host	0.32 lbs. (0.15 kg)
Weight Device	0.44 lbs. (0.20 kg)
Weight (Packaged)	2.1 lbs. (0.95 kg)

*Specifications subject to change without notice. Mass & dimensions are approximate

KEY BENEFITS

User-selectable USB 5-volt Switch

When set to ‘HOST’ (thought of as ‘Follow Host’), disconnecting the 5V connection from the HOST unit will cause the DEVICE unit to drop the 5V Vbus output, decoupling peripherals through ‘Surprise Removal’, allowing a new device negotiation for each connection. For systems requiring a constant 5V connection to the peripherals, the ‘ON’ position maintains a constant 5V Vbus output on the Device unit.

Extend Any USB Signal

Signals from USB 1.0, 2.0, and 3.2 Gen 1 standards may be mixed and sent simultaneously over the AC- EXUSB-3-KIT. All USB ports on both the Host and the Device are robust USB 3.2 Gen 1 Type. The AC-EXUSB-3-Device features additional use as a hub, tethering multiple peripherals to the host computer.

Optimized for Conferencing Codecs

DisplayLink supports easy connections between computers and displays regardless of brand. At the same time, Framesync matches USB 2.0 and USB 3.X data transfers to maintain sync even in mixed, simultaneous use amongst all four ports.

Power over Cable

Select an end to apply power to the kit, and the second device is automatically via bidirectional PoC through the connecting Category wire. This flexibility packaged into the compact form factor enables perfect planning for clean installations.

5 Gbps Bandwidth

USB 3.0 SuperSpeed Gen 1 architecture provides full-duplex data transfers. Ample 5 Gbps bandwidth for 4K cameras, Codecs, and Conference Room Soundbar systems.

Linked By Category Cabling

CAT-6A is recommended for HDBaseT devices to perform optimally and should be used whenever a new wire is pulled. CAT 5e, prevalent in many existing situations, may also be used. However, the overall transmission distance is reduced to about 70 meters.

