

EX-FS-100

USB3.0 Extender 100m

FEATURE:

- Extension of USB 3.0 up to 100m/328ft over CAT6a cable
- USB 3.0 connectivity with data transfer rate up to 5Gbps
- Backwards compatible with USB 2.0 and 1.1
- Hardware acceleration for isochronous and bulk transfer
- USB-A port 1 and 2 support 5V/1.5A, port 3 and 4 support 5V/1A on the Receiver
- Support RS-232 pass-through and FSYNC GPIO pass-through (for industry camera use)
- Support bi-directional 24V POC
- Simple plug and play, no driver and setting installation required



EX-U3-100-5G

The USB 3.0 Extender extends USB signals up to 100m (328ft) using a single CAT6a cable. The transmitter includes one USB 3.0 Type B input, one FSYNC GPIO input, and one RS-232 pass-through. The receiver provides four USB 3.0 Type A outputs, one FSYNC GPIO output, and one RS-232 pass-through. It also supports bi-directional 24V POC. This extender is ideal for long-distance signal transmission between a PC and USB devices.



Extender

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SPECIFICATIONS:

Technical

USB Protocol	USB 3.0
Transmission Rate	Up to 5Gbps
Network Bandwidth	10G
Transmission Distance	100m/328ft over CAT6a (F/FTP) cable
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Connections

Transmitter

Input	1 × USB HOST [USB-B, 9pin Female]
Output	1 × HDBT OUT [RJ45, Female]
	1 × RS-232 [3pin-3.5mm Phoenix Connector]
Control	1 × FSYNC [1pin-3.5mm Phoenix Connector]
	1 × SERVICE [USB-C, Update Port]

Receiver

Input	1 × HDBT IN [RJ45, Female]
Output	4 × USB Devices [USB-A, 9pin Female]
	1 × RS-232 [3pin-3.5mm Phoenix Connector]
Control	1 × FSYNC [1pin-3.5mm Phoenix Connector]
	1 × SERVICE [USB-C, Update Port]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 85mm [W] × 100mm [D] × 25.5mm [H]
Weight	Transmitter: 253g, Receiver: 260g
Power Supply	Input: AC 100~240V 50/60Hz Output: DC 24V/2A
Power Consumption	PoC Power Supply: 40W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)