

USB 3.0 Extender Over Cat6 100M HDBaseT

Plug and Play Solution

MPN: EXT-USB3100M



Unlock USB 3.0 potential with KanexPro's Extender. Stretch your connectivity up to 100m (about 328.08 ft) over CAT6a cable, with speeds reaching 5Gbps. Seamless backward compatibility with USB 2.0 and 1.1. Experience hassle-free plug-and-play setup—no drivers needed.

FEATURES

- 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
- Extension of USB 3.0 up to 100m/328ft over CAT6a cable
- USB-A port 1 and 2 support 5V/1.5A, port 3 and 4 support 5V/1A on the Receiver
- Simple plug and play, no driver and setting installation needed
- Support RS-232 pass-through and FSYNC GPIO pass-through (for industry camera use)
- Support bi-directional 24V PoC (Power Over CAT)
- Simple plug and play, no driver and setting installation needed

SPECIFICATIONS

USB Protocol	USB3.0
Transfer Rate	Up to 5Gbps
Network Bandwidth	10Gbps
Transmission Distance	100m/328ft over CAT6a (F/FTP) cable
Transmitter	Input: 1 × USB HOST [USB-B, 9pin Female] Output: 1 × HDBT OUT [RJ45, Female] Control: 1 × RS-232 [3pin-3.5mm Phoenix Connector] 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] Control: 1 × RS-232 [3pin-3.5mm Phoenix Connector] 1 × FSYNC [1pin-3.5mm Phoenix Connector] 1 × SERVICE [USB-C, Update Port]
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
Operating 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)



APPLICATION DIAGRAM

