

USB 3.0 Extender Over Cat6 100M HDBaseT

5Gbps USB Extension to 328ft — RS-232, FSYNC & PoC for Pro AV and Industrial Installs

MPN: EXT-USB3100M



The KanexPro EXT-USB3100M extends USB 3.0 at full 5Gbps speeds up to 100 meters (328ft) over a single CAT6a cable using HDBaseT technology — delivering four USB-A ports at the remote end with bi-directional 24V Power over Cable, RS-232 pass-through, and FSYNC GPIO for synchronized industrial and broadcast camera deployments. No drivers required.

Designed for professional AV integrators centralizing rack infrastructure in corporate conference rooms, lecture halls, healthcare suites, and broadcast facilities, the EXT-USB3100M eliminates the 5-meter USB limit without sacrificing speed, control, or peripheral power. Backward compatible with USB 2.0 and 1.1, it integrates cleanly into mixed-device environments while delivering the industrial-grade reliability and 3-year warranty that project-based installs demand.

 USB 3.0 5Gbps HDBaseT	 100m 328ft CAT6a	 4-Port USB-A Receiver	 RS-232 FSYNC GPIO Pass-Through	 PoC Bi-Directional 24V
---	--	---	--	--

KEY FEATURES

- USB 3.0 connectivity with data transfer rate up to 5Gbps
- Extends USB 3.0 up to 100m/328ft over a single CAT6a (F/FTP) cable via HDBaseT
- Backward compatible with USB 2.0 and USB 1.1 devices
- 4-port USB-A receiver — ports 1 & 2 support 5V/1.5A; ports 3 & 4 support 5V/1A
- Bi-directional 24V Power over Cable (PoC) — single power supply on either TX or RX end
- RS-232 and FSYNC GPIO pass-through for industrial camera synchronization
- Hardware acceleration for isochronous and bulk transfer — driver-free plug and play
- Metal enclosure • 10Gbps network bandwidth • USB-C SERVICE port for firmware updates

SPECIFICATIONS

USB Protocol	USB 3.0
Transfer Rate	Up to 5Gbps
Network Bandwidth	10Gbps
Transmission Distance	100m / 328ft over CAT6a (F/FTP) cable
ESD Protection	IEC 61000-4-2: ±8kV Air-gap, ±4kV Contact
Transmitter Connections	Input: 1× USB HOST [USB-B, 9pin Female] • Output: 1× HDBT OUT [RJ45] • Control: RS-232 (3pin Phoenix), FSYNC (1pin Phoenix), SERVICE [USB-C]
Receiver Connections	Input: 1× HDBT IN [RJ45] • Output: 4× USB-A [9pin Female] • Control: RS-232 (3pin Phoenix), FSYNC (1pin Phoenix), SERVICE [USB-C]
Housing	Metal Enclosure • Black
Dimensions	TX / RX: 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)

PACKAGE CONTENTS

1× USB 3.0 Extender (Transmitter) • 1× USB 3.0 Extender (Receiver) • 1× 24V/2A Locking Power Supply • 2× 4pin-3.5mm Phoenix Connector (Male) • 4× Mounting Ear • 8× Machine Screw • 1× User Manual



Scan for product page

kanexpro.com/item/EXT-USB3100M

sales@kanexpro.com | www.kanexpro.com