

2-Port USB 3.2 Extender (100m)

Dual USB-C & USB-B Host Inputs with Auto/Manual Switching, FSYNC GPIO & RS-232 over CAT6a

MPN: EXT-USBC2XI-100M



Extend **USB 3.2** to any two controllers simultaneously — without choosing between **USB-C** and **USB-B**. The KanexPro EXT-USBC2XI-100M transmits USB 3.2 Gen 1 signals at 5Gbps up to 100m/328ft over a single CAT6a cable, with selectable USB-C and USB-B host inputs and auto/manual switching — keeping host hardware centralized while cameras, HMI's, scanners, and peripherals operate at the point of use.

Built for demanding AV and industrial deployments, the extender adds FSYNC GPIO pass-through for precise industrial camera frame synchronization, RS-232 API control for integration with Crestron, AMX, and Control4, and bi-directional 24V PoC so only one power supply is needed for the full 100m run. The RX provides 1× USB-C and 3× USB-A device ports. Plug-and-play, no drivers required.

 USB 3.2 Gen 1 / 5Gbps	 100m CAT6a F/FTP	 Dual Host USB-C + USB-B	 FSYNC GPIO Industrial Sync	 Bi-Dir PoC 24V / One PSU
--	---	--	---	---

KEY FEATURES

- Extends USB 3.2 at 5Gbps up to 100m/328ft over a single CAT6a (F/FTP) cable with hardware-accelerated USB signal transmission
- Selectable TX host inputs: 1× USB-C and 1× USB-B with auto-switching (5V detection) and manual switching modes
- RX device ports: 1× USB-C and 3× USB-A — TX device ports: 1× USB-C and 2× USB-A for local peripheral access
- FSYNC GPIO pass-through for precise industrial camera frame synchronization — default 0–5V signal level
- RS-232 pass-through and full ASCII API control via serial or USB-C service port (baud configurable 4800–115200)
- Bi-directional 24V PoC — power either TX or RX; the other end is powered over the CAT6a cable
- Backwards compatible with USB 2.0 and USB 1.1; plug-and-play, no drivers required on any OS
- Firmware upgradeable via USB-C service port; ESD protection IEC 61000-4-2 ±8kV air-gap / ±4kV contact

SPECIFICATIONS

USB Protocol	USB 3.2 Gen 1
Transmission Rate	Up to 5Gbps
Max Distance	100m / 328ft via CAT6a (F/FTP)
Host Inputs (TX)	1× USB-C • 1× USB-B • Auto/Manual switching
Device Ports (TX)	1× USB-C 5V/1A • 2× USB-A 5V/1A
Device Ports (RX)	1× USB-C 5V/1A • 2× USB-A 5V/1.5A • 1× USB-A 5V/1A
Control	RS-232 (3-pin phoenix) • FSYNC GPIO (1-pin phoenix) • SERVICE (USB-C)
Power	DC 24V / 3.75A • Bi-directional PoC • TX: 23W max • RX: 35W max
Enclosure	Metal • Black • 140 × 75 × 23mm • TX: 313g • RX: 318g
ESD Protection	IEC 61000-4-2: ±8kV (air-gap) • ±4kV (contact)
Environment	32–104°F (0–40°C) • 20–80% RH non-condensing

PACKAGE CONTENTS

1× Transmitter (TX) • 1× Receiver (RX) • 1× 24V/3.75A Locking Power Supply • 2× 4-pin Phoenix Connector • 4× Mounting Ear • 8× Machine Screw • 1× User Manual



Scan for product page

kanexpro.com/item/EXT-USBC2XI-100M

sales@kanexpro.com | www.kanexpro.com