

USB 2.0 Extender over Cat6 100 Meters

480Mbps Plug-and-Play Extension to 328ft for Webcams, Printers & HID Devices — No Drivers Required

MPN: EXT-USB2100M



PRODUCT OVERVIEW

The KanexPro EXT-USB2100M extends USB 2.0 at 480Mbps up to 100 meters (328ft) over a single Cat5e/6 cable — delivering two USB-A ports at the remote end for webcams, touch screens, printers, HID devices, and USB hubs. Completely plug-and-play with no driver installation required, the EXT-USB2100M is the straightforward USB extension solution for AV integrators and IT managers who need reliable peripheral reach without 5Gbps overhead.

Designed for conference rooms, classrooms, digital signage, and healthcare environments, the EXT-USB2100M connects a USB-B transmitter to a compact dual-port receiver over existing Cat5e or Cat6 infrastructure. Backward compatible with USB 1.1, it works with the broadest range of USB peripherals and is backed by KanexPro's 3-year parts and labor warranty.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and IT managers deploying USB 2.0 peripherals — webcams, printers, touch screens, HID devices — in conference rooms, classrooms, digital signage, and healthcare environments.

THE CHALLENGE

Standard USB tops out at 5m. Most AV installs need USB devices at table, lectern, or kiosk positions far from the host PC. USB 3.0 extenders are overspecified and overpriced for HID, webcam, and printer applications.

THE KANEXPRO ADVANTAGE

Compact form factor (82×49×20mm). Power over Cable — single 12V/1A adapter. 480Mbps USB 2.0 over Cat5e/6. ESD protection. 3-year KanexPro warranty with integrator channel support.

2 PRODUCT POSITIONING

The EXT-USB2100M is the compact, plug-and-play USB 2.0 extension solution for integrators who need reliable 480Mbps peripheral reach at 100m — no drivers, no complexity, no 5Gbps overhead.

3 APPLICATIONS



Conference Room Webcams

Extend a USB 2.0 webcam from a rack-mounted PC to the conference table up to 328ft, enabling video conferencing without a local PC at the table.



Classroom & Education

Connect a USB 2.0 document camera or interactive whiteboard to a teacher's workstation at the back of the room, supporting in-person and hybrid learning setups.



Digital Signage & Kiosks

Feed USB 2.0 touch displays, HID controllers, and mass storage devices from a back-office server to front-of-house kiosk positions with no driver installation.



Healthcare & Patient Rooms

Extend USB 2.0 barcode scanners, HID controllers, and input devices to patient rooms while keeping the host computer in a centralized, secured nursing station.



Corporate Print Stations

Place USB 2.0 printers and scanners in accessible shared-use locations up to 328ft from the host server — no dedicated PC required at each print station.



Hospitality & Hotel AV

Extend USB 2.0 touch panels, occupancy sensors, and control keypads from a property management system to guest room locations over existing Cat cable runs.

4 WHO THIS IS FOR

Corporate AV

Education

Healthcare

Digital Signage

Hospitality

Print Stations

Ideal User

AV integrator or IT manager specifying simple USB extension for conference rooms, classrooms, or retail/hospitality installs.

Project Types

Conference rooms, classrooms, digital signage, healthcare patient rooms, corporate print stations, hospitality

Typical Buyer

AV integrator, IT director, or facilities manager; PO via distributor or direct online

5 KANEXPRO PRODUCT COMPARISON

The EXT-USB2100M is the cost-effective 100m USB 2.0 option in the KanexPro USB Extender family. Here's how it compares to key competitors:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS	
USB2001EXT2NA	StarTech	1-port, 100m, Cat5e/6, 480Mbps, metal	1-port only; less versatile	~\$80–90
USB2004EXT2NA	StarTech	4-port, 100m, Cat5e/6, 480Mbps	Higher cost for extra ports	~\$130–150
BG-USB-LR100	BZBGear	2-port, 100m, Cat5e/6/7, 480Mbps, PoC	Lower brand recognition in AV	~\$80–100
USB-EXB330-K	OREI	2-port, 100m, Cat6/7, 480Mbps, PoC	Consumer channel only	~\$60–80

★ EXT-USB2100M: Best for USB 2.0 peripheral extension at 100m with integrator-grade warranty and AV channel support

Q: Will this work with my USB webcam for Zoom or Teams calls?

Yes — USB 2.0 webcams at 480Mbps are the ideal use case. Fully plug-and-play, no drivers needed.

Q: Why \$199.95 when similar products are available for \$60–80?

KanexPro carries a 3-year warranty vs. competitors' 1–2 years, sold through integrator channels with project support. For commercial installs requiring accountability, that matters.

Q: Does it need power on both ends?

No — only one side needs the included 12V/1A adapter. Power over Cable means the other unit draws power through the Cat cable.

Q: Will it work over existing Cat5e infrastructure?

Yes — supports Cat5e, Cat6, and Cat6a up to 100m/328ft. Works with existing cable infrastructure.

Q: What is the difference between this and the EXT-USB250M?

The EXT-USB250M extends to 50m — ideal for shorter runs at lower cost. This model doubles the range to 100m for larger spaces.

Q: Is it backward compatible with USB 1.1 devices?

Yes — fully backward compatible with USB 1.1 at native speeds. No configuration required.

Q: Why only 2 USB ports on the receiver?

Two ports cover the majority of USB 2.0 use cases — a webcam plus a keyboard, or a printer plus a scanner. For 4-port requirements, the EXT-USB3100M delivers more bandwidth and more ports.