

USB 2.0 Extender over Cat6 50 Meters

480Mbps Plug-and-Play Extension to 164ft for Webcams, Printers & HID Devices — No Drivers Required

MPN: EXT-USB250M



PRODUCT OVERVIEW

The KanexPro EXT-USB250M extends USB 2.0 at 480Mbps up to 50 meters (164ft) 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. The Transmitter draws power directly from the host USB-B port, while the Receiver uses a compact 5V/1A adapter. Completely plug-and-play with no driver installation required.

Designed for smaller conference rooms, classrooms, and digital signage environments where 164ft of USB reach is sufficient, the EXT-USB250M is the compact, cost-effective entry point in the KanexPro USB extender range. Backward compatible with USB 1.1 and backed by KanexPro's 3-year parts and labor warranty.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators, IT managers, and facilities staff deploying USB 2.0 peripherals in conference rooms, classrooms, digital signage, and healthcare environments where 50m reach is sufficient.

THE CHALLENGE

Standard USB tops out at 5m. Many conference rooms, classrooms, and kiosk installs need USB devices within 50m of the host PC — where the EXT-USB250M delivers a cost-effective solution without 5Gbps overhead.

THE KANEXPRO ADVANTAGE

Transmitter bus-powered from host (no adapter needed at TX). Compact 82×49×20mm enclosure. ESD protection. 3-year KanexPro warranty with integrator channel support.

2 PRODUCT POSITIONING

The EXT-USB250M is the compact, cost-effective USB 2.0 entry point for integrators who need 480Mbps peripheral reach at 50m — TX bus-powered, no drivers, no complexity.

3 APPLICATIONS



Conference Room Webcams

Extend a USB 2.0 webcam from a rack-mounted PC to the conference table up to 164ft, enabling video conferencing without placing a PC at the table.



Classroom & Education

Connect a USB 2.0 document camera or interactive whiteboard to a teacher's workstation, supporting hybrid learning setups in standard-sized classrooms.



Digital Signage & Kiosks

Feed USB 2.0 touch displays and HID controllers from a back-office server to front-of-house kiosk positions — fully plug-and-play, no drivers required.



Healthcare & Patient Rooms

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



Small Office Print Stations

Place USB 2.0 printers and scanners in shared locations up to 164ft from a host — no dedicated PC required at each print station.



Hospitality & Hotel AV

Extend USB 2.0 touch panels, keypads, and HID controllers from a property management system to guest room positions over existing Cat cable runs.

4 WHO THIS IS FOR

Corporate AV

Education

Healthcare

Digital Signage

Hospitality

Small Office

Ideal User

AV integrator or IT manager specifying simple USB extension for conference rooms, classrooms, or retail/hospitality installs within 50m.

Project Types

Conference rooms, classrooms, digital signage, healthcare patient rooms, hospitality, small office print stations

Typical Buyer

AV integrator or IT director; PO via distributor or direct online

5 KANEXPRO PRODUCT COMPARISON

The EXT-USB250M is the entry-level 50m USB 2.0 option in the KanexPro USB Extender family. Here's how it compares to key alternatives:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS	
USB2001EXT2NA	StarTech	1-port, 100m, Cat5e/6, 480Mbps	100m range; 1-port only	~\$80–90
BG-USB-LR100	BZBGear	2-port, 100m, Cat5e/6/7, 480Mbps, PoC	Longer range (100m); AV brand	~\$80–100
USB-EXB330-K	OREI	2-port, 100m, Cat6/7, 480Mbps, PoC	100m range; consumer channel	~\$60–80
avedio links 50m	avedio	4-port, 50m, Cat6/7, PoC	4-port at same distance; lower brand	~\$40–60

★ EXT-USB250M: Best for USB 2.0 peripheral extension within 50m — lowest cost entry point with integrator-grade warranty

Q: Does the Transmitter need its own power adapter?

No — the Transmitter draws power directly from the host PC's USB-B port. Only the Receiver needs the included 5V/1A adapter.

Q: What is the maximum distance?

50m/164ft for most USB 2.0 devices. Note: some USB 2.0 hubs are limited to 40m/131ft due to timing requirements.

Q: Why choose this over the EXT-USB2100M?

For installs where 50m is sufficient, the EXT-USB250M offers a lower cost entry point. The EXT-USB2100M doubles the range to 100m at a \$50 premium.

Q: Will it work with my USB webcam?

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

Q: Works over existing Cat5e?

Yes — supports Cat5e, Cat6, and Cat6a up to 50m/164ft.

Q: Is it backward compatible with USB 1.1?

Yes — fully backward compatible at native speeds.

Q: How do I connect more than 2 USB devices?

Connect a USB 2.0 hub to one of the Receiver's USB-A ports to expand to additional devices.