

UE3200 USB 3.2 Gen1 Extender Pro

Remotely Support 4-Port USB 3.2 Gen1 Output | 100m Long-Range Transmission | Power over Cable (PoC) | Built-in 4-Port USB HUB | RS-232 Full-Duplex Communication

一、Product Overview

UE3200 is a professional-grade USB 3.2 Gen1 extender designed to enable long-range signal transmission between USB host devices (e.g., PCs, servers) and USB peripherals (e.g., cameras, printers, scanners, keyboards, mice). It utilizes CAT6a/7 FTP cables to extend USB 3.2 Gen1 signals up to 100 meters, maintaining SuperSpeed 5Gbps data transfer rates without signal degradation.

Equipped with Power over Cable (PoC) technology, the extender only requires power supply at the receiver end, eliminating the need for additional power sources at the transmitter. Its built-in 4-port USB 3.2 Gen1 HUB allows simultaneous connection of multiple peripherals, while RS-232 full-duplex communication ensures reliable data transfer for industrial or professional scenarios.

Ideal for applications such as office multi-peripheral setups, remote monitoring systems, industrial control environments, and conference room equipment extension, the UE3200 delivers stable and efficient USB signal extension with plug-and-play convenience.

二、Key Feature Highlights

2. USB 3.2 Gen1 Long-Range Transmission

- Supports USB 3.2 Gen1 standard, enabling SuperSpeed 5Gbps data transfer (backward compatible with USB 2.0/1.1, supporting HighSpeed 480Mbps, FullSpeed 12Mbps, and LowSpeed 1.5Mbps).
- Uses certified CAT6a/7 FTP cables to extend signals up to 100 meters, ensuring no loss of transmission speed or signal quality.

3. Power over Cable (PoC) Technology

- Breaks free from power limitations: Only the receiver end requires a power supply (no additional power needed for the transmitter), simplifying installation and reducing cable clutter.

4. Built-in 4-Port USB 3.2 Gen1 HUB

- The receiver integrates a 4-port USB 3.2 Gen1 HUB, supporting simultaneous connection of multiple USB peripherals (e.g., cameras, printers, scanners) for seamless multi-device operation.
- Provides dedicated current outputs for peripherals: 1A × 3 ports and 1.5A × 1 port, meeting power demands of most USB devices.

5. RS-232 Full-Duplex Communication

- Enables reliable and efficient bidirectional data transfer via RS-232 full-duplex communication, suitable for industrial control, device debugging, and other professional data transmission scenarios.

6. Plug-and-Play & Wide Compliance

- Hardware-based design with no software or driver installation required: Simply connect the transmitter to the host, the receiver to peripherals, and power the receiver to start using.
- Meets FCC and CE standards, ensuring compliance with global electromagnetic compatibility (EMC) and safety regulations.

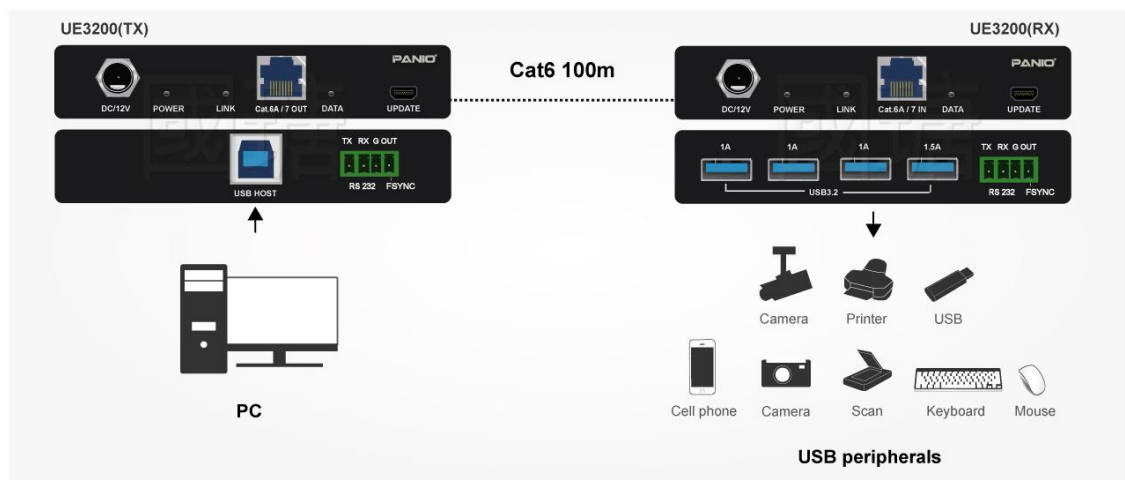
三、 Detailed Specification Table

Table 1: Basic & Compatibility Specifications

Model Name	UE3200
Compliance	FCC, CE; USB 3.2 Gen1 (backward compatible with USB 2.0/1.1)
USB Standard	USB 3.2 Gen1 (SuperSpeed 5Gbps), USB 2.0 (HighSpeed 480Mbps), USB 1.1 (FullSpeed 12Mbps / LowSpeed 1.5Mbps)
Extension Distance	Max. 100 meters (using certified CAT6a/7 FTP cables)
Supported Peripherals	Cameras, printers, scanners, keyboards, mice, external hard drives, and other USB-compatible devices
Transmitter (TX) Interfaces	1 × USB Type B Female (for host connection); 1 × RJ-45 (for CAT6a/7 cable connection)
Receiver (RX) Interfaces	4 × USB Type A Female (for peripheral connection); 1 × RJ-45 (for CAT6a/7 cable connection); 1 × RS-232 (for full-duplex communication)
RS-232 Standard	Full-duplex communication
Power Supply	Receiver: DC 5V / 3A (via included original power adapter); Transmitter: PoC (no external power required)

Peripheral Power Output	3 × 1A USB ports; 1 × 1.5A USB port
Chassis Dimensions	105mm × 100mm × 21mm (L×W×H)
Weight	Not Specified
Operating Temperature	0–40°C (32–104°F) (typical; not explicitly specified by manufacturer)
Storage Temperature	-20–60°C (-4–140°F) (typical; not explicitly specified by manufacturer)
Relative Humidity	20–90% RH (non-condensing) (typical; not explicitly specified by manufacturer)

Diagram



四、 Important Notes for Use

- Cable Requirements

- Use **certified CAT6a/7 FTP cables** for 100-meter extension. Non-certified or low-grade cables may cause signal loss, reduced transmission speed, or connection failures.
- For USB host-receiver and peripheral-receiver connections, use the **original USB 3.0 cables provided by the manufacturer** (or equivalent high-quality USB 3.0 cables) to ensure compatibility and signal stability.
- **Power Supply Safety**
 - Only use the **included DC 5V/3A power adapter** for the receiver. Using non-original adapters may cause device damage, overheating, or safety hazards.
 - Do not connect an external power supply to the transmitter (it receives power via PoC from the receiver).
- **RS-232 Connection**
 - When using RS-232 communication, ensure correct pin alignment (TX to RX, RX to TX) between the extender and connected devices. Reverse connections will result in communication failure.
- **Peripheral Power Limitations**
 - Do not connect USB peripherals with power consumption exceeding the extender's port limits (1A for 3 ports, 1.5A for 1 port). Overloading may cause peripheral malfunctions or damage to the extender's HUB.
- **Installation Environment**
 - Avoid installing the extender in high-temperature, high-humidity, or dusty environments. Ensure good ventilation to prevent overheating and extend device lifespan.

五、Package Contents

Item	Quantity	Remarks
UE3200 Extender Set	1 set	1 × UE3200 Transmitter (TX) and 1 × UE3200 Receiver (RX)
DC Power Adapter	1 unit	DC 5V / 3A (original certified adapter for stable power supply)
Quick Start Guide	1 piece	

Core Advantages Summary

- ✓ 100-meter USB 3.2 Gen1 extension with SuperSpeed 5Gbps transmission (no signal loss)
- ✓ Power over Cable (PoC) technology: Only receiver needs power, simplifying installation
- ✓ Built-in 4-port USB 3.2 Gen1 HUB for multi-peripheral simultaneous connection
- ✓ RS-232 full-duplex communication for reliable professional data transfer
- ✓ Plug-and-play design: No software/driver installation required
- ✓ Broad compatibility with USB 2.0/1.1 devices and various USB peripherals
- ✓ FCC/CE certified for global EMC and safety compliance