USB 2.0 CAT Extender, 4 Port USB-A, 150m

Quick Installation Guide

DA-73120

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Important Safety Instructions:

- To prevent electric shock, please ensure that all apparatus is properly grounded.
- Place the device in a well-ventilated area, do not block any ventilation openings.
- Do not expose this apparatus to rain or place it near water. Any liquid that goes into the apparatus may cause failure, fire, or electric shock.
- Do not place the device on an uneven or unstable surface. The device may fall, resulting in a malfunction.
- Never insert anything metallic into the open parts of this apparatus. This may cause a danger of electric shock.
- If a three-party power supply is used, please ensure that the power supply specifications meet the product requirements.

1. Introduction

This USB extender offers a reliable solution for transmitting USB signals over distances of up to 150 meters using a CAT 6 (or higher) network cable (not included) without signal loss. Ideal for use in large offices, conference rooms, surveillance systems or industrial environments where longer USB connections are required.
The USB 2.0 standard enables transfer rates of up to 480 Mbps. This means that nothing stands in the way of the smooth connection of a wide range of USB devices such as cameras, printers, scanners, keyboards, mice and USB sticks. The extender offers maximum flexibility thanks to its four USB-A inputs, allowing multiple devices to be operated simultaneously – Ideal for working environments with different peripheral devices. The plug & play design enables easy installation without the need for additional drivers. In addition, the robust metal housing ensures durability and stability, even in demanding industrial environments.
Say goodbye to the limitations of conventional USB cables – With this 150m USB 2.0 extender you can place your USB devices where you need them without having to move the computer.

2. Technical Features

- USB extension over 150m: Extends USB signals up to 150m via a CAT 6 (or higher) patch cable without signal loss
- Cascading – Extension up to 300m (2x 150m) by using a network switch
- Transmitter unit is supplied with power via the host PC – No additional power supply unit required
- Four USB ports: Multifunctional USB hub – Supports the connection of up to four USB devices simultaneously.
- USB 2.0: Supports transfer rates of up to 480 Mbps, ideal for numerous USB devices such as printers, cameras, keyboards and scanners
- Safe protection – Integrated ESD protection (up to 8kV) and overvoltage protection for your devices.
- Plug & Play - No software required. Simply connect and use immediately.
- Robust and versatile: Ideal for demanding environments such as industry or large offices thanks to its metal housing.

3. Package content

- 1x Transmitter
- 1x Receiver
- 1x Quick Installation Guide
- 1x USB-A 2.0 Cable 1.2m
- 1x Power supply unit (DC 5V/1A) 1.5m

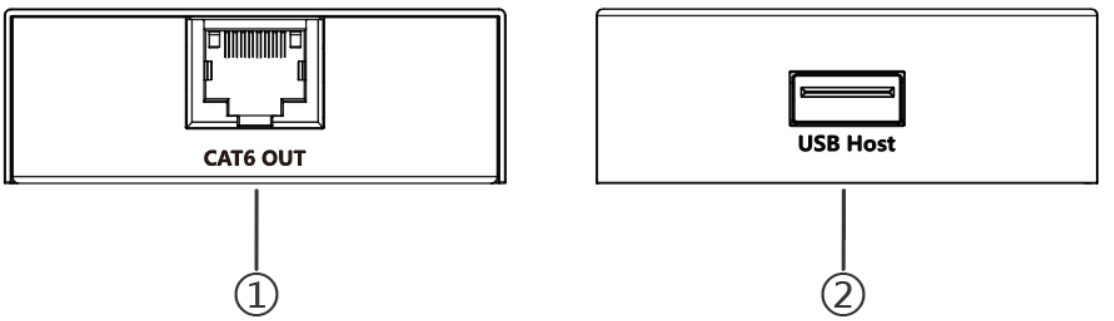
4. Specification

Maximum range	150m (via CAT 6 or higher)
USB ports	4x USB 2.0 Inputs
Transfer rate	Up to 480 Mbps (USB 2.0)
Protection	ESD protection (electrostatic discharge), overvoltage and lightning protection, short-circuit protection
Plug & Play	Simple installation, requires no software
Transmitter unit connections (TX)	1x USB-A input (USB 2.0) – Connection signal source (notebook, etc.)
	1x RJ45 output (Gigabit Ethernet) – CAT transmission cable connection
Receiver unit connections (RX)	4x USB-A output (USB 2.0) – Connection for mouse, keyboard, printer, etc.

	1x RJ45 input (Gigabit Ethernet) – CAT transmission cable connection
	1x Power supply connection (DC 5V/1A) – External power supply connection
	1x Reset button
Power supply	TX: Via source device
	RX: DC5V/1A
Power consumption	TX: ≤ 2W
	RX: ≤ 2W
Operating temperature	-20°C to 60°C
Power consumption	TX approx. 3.5 W, RX approx. 2.5 W
Dimensions (per unit)	L 7.6 x W 6.0 x H 2.1 cm
Weight	TX 123 g, RX 128 g
Housing material	Metal
Color	Black

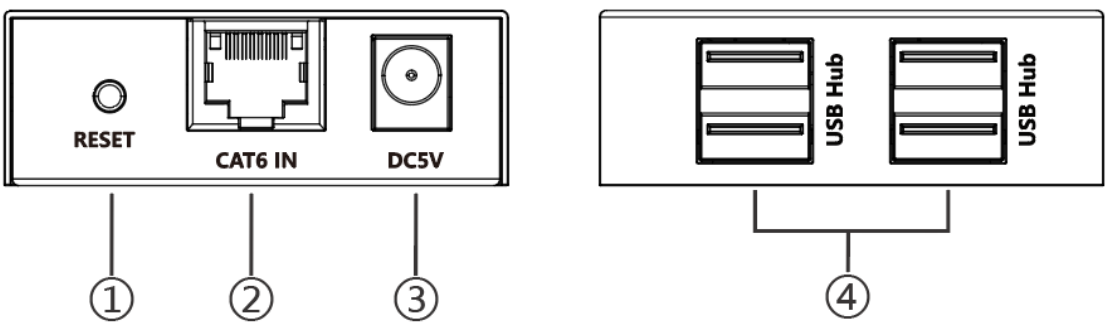
5. Ports and Interfaces

Transmitter



1	RJ45 Port	Connect with CAT 6 (or higher) network cable
2	USB-A Port	Connect with Host PC

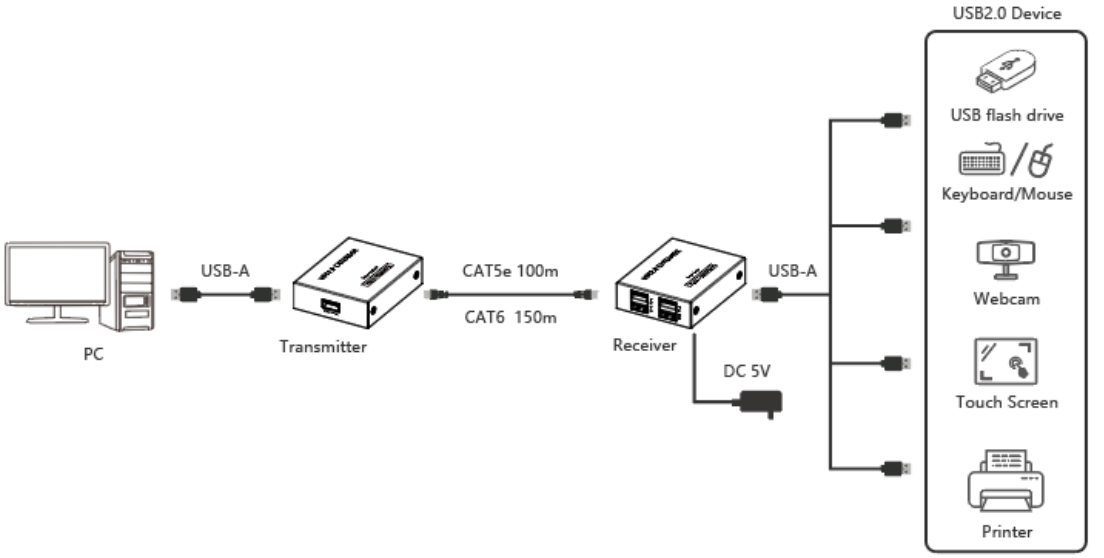
Receiver



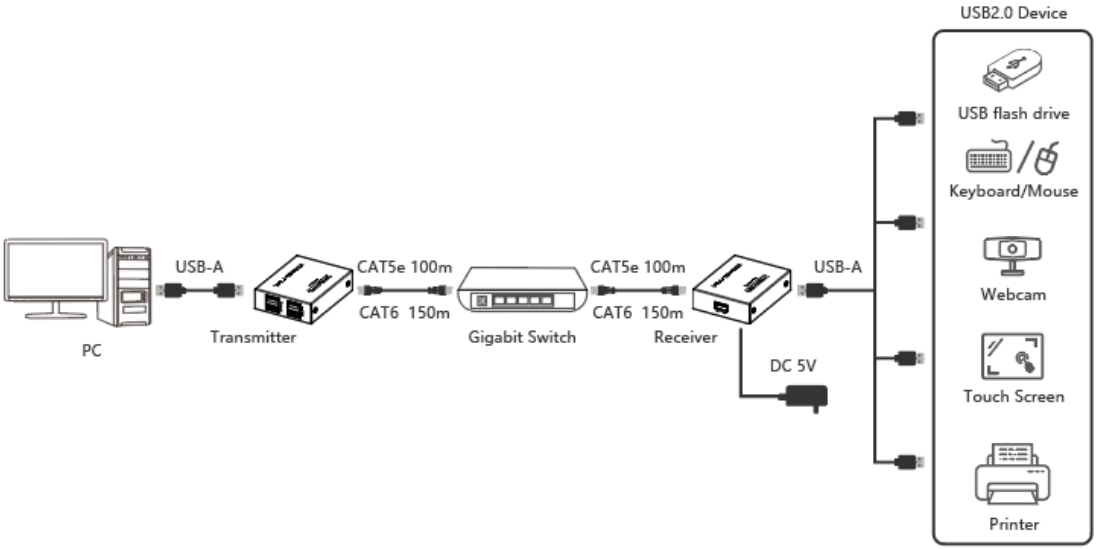
1	Reset Button	Press to restart the device
2	RJ45 Port	Connect with CAT 6 (or higher) network cable
3	Power Input	Connect with DC5V/1A power adapter
4	USB-A Ports	Connect with USB 2.0 devices such as USB flash drive, keyboard, mouse, camera

6. Connection Diagram

One-to-one connection



Cascading by Network Switch



Connection Instructions

1. Connect the transmitter to the Host PC via USB cable and connect the USB devices to the receiver via USB cables.
2. Connect the transmitter and receiver with a CAT 6 (or higher) network cable.
3. Plug the power supply into the receiver to get started.
4. Note: If the transmission distance needs to be increased (over 150 m), connect a network switch between the transmitter and the receiver using two network cables.

7. Q&A

Q: There is no response after USB device is connected?

A:

1) Please check whether the network cable conforms to IEEE-568B standard and whether the cables are firmly connected.
2) Reset the receiver by pressing the reset button or repower it.

Q: The receiver is unstable when connected to an external web camera?

A:

1) When connecting high-power USB devices, it is necessary to supply additional power to external devices.

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