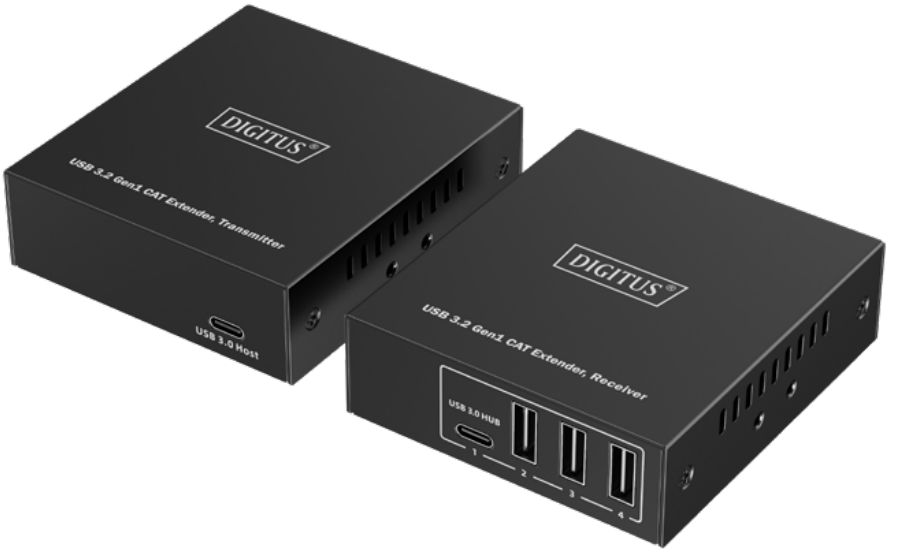
USB 3.2 Gen1 CAT Extender, 5 Gbps, 4 Ports: 3x USB-A / 1x USB-C, 100m



Quick Installation Guide

DA-73121

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Important Safety Instructions:

- To prevent electric shock, please ensure that all devices are properly grounded.
- Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place the device on an uneven or unstable surface, the device may fall resulting in a malfunction.
- Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
- If a third-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 100 meters using a CAT 6A (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 3.2 Gen1 standard enables transfer rates of up to 5 Gbps. Nothing stands in the way of a fast and smooth connection of various USB devices such as cameras, hard disks, printers, scanners, keyboards, mice and USB sticks. Thanks to the support of USB 2.0 and 1.1, older devices can also be integrated without any problems.
The extender offers maximum flexibility thanks to its four USB inputs (3x USB-A 3.2 Gen1 and 1x USB-C 3.2 Gen1), allowing multiple devices to be operated simultaneously – Ideal for working environments with different peripherals. The Power-over-Cable (PoC) function ensures that only the receiver requires an external power source, simplifying installation and eliminating cable clutter. 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 traditional USB cables – With this Digitus USB 3.2 Gen1 Extender you can place your USB devices where you need them without compromising on performance.

2. Technical Features

- USB extension over 100m: Extends USB signals up to 100m via a CAT 6A (or higher) patch cable without signal loss.
- 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 (3x USB-A 3.2 Gen1, 1x USB-C 3.2 Gen1).
- USB 3.2 Gen1: Supports transfer rates of up to 5 Gbps, ideal for numerous USB devices such as printers, cameras, hard disks, keyboards and more
- 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, large offices or security systems thanks to its metal housing.

3. Package content

- 1x Transmitter unit
- 1x Receiver unit
- 1x USB 3.2 Gen1 cable 1m, USB-A - USB-C
- 1x USB 3.2 Gen1 cable 1m, USB-C - USB-C
- 1x Power supply unit (DC 12V/3A) 1.2m

- 1x Wall mounting material (brackets, screws)
- 2x Earthing screw
- 1x Quick Installation Guide

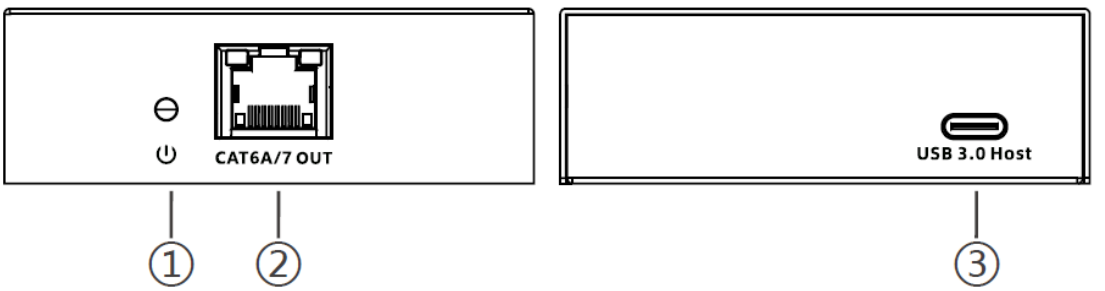
4. Specification

Maximum range	100m (via Cat 6A or higher)
USB ports	4x USB 3.1 Gen1 inputs (3x USB-A 3.2 Gen1, 1x USB-C 3.2 Gen1)
Transfer rate	Up to 5 Gbps (USB 3.2 Gen1)
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-C input (USB 3.2 Gen1) – Connection signal source (notebook, etc.)
	1x RJ45 output (Gigabit Ethernet) – CAT transmission cable connection
	2x status LED
Receiver unit connections (RX)	4x USB output (USB 3.2 Gen1) – 3x USB-A & 1x USB-C connection mouse, hard disk, keyboard, printer, cameras, etc.
	1x RJ45 input (Gigabit Ethernet)

	– CAT transmission cable connection
	1x power supply connection (DC 12V/3A) – External power supply connection
	2x Status LED
Power supply	TX: Via source device
	RX: DC 12V/3A
Power consumption	TX: ≤ 8W
	RX: ≤ 8W
Operating temperature	-20°C to 60°C
Power consumption	TX approx. 3.5 W, RX approx. 2.5 W
Dimensions (per unit)	L 8.5 x W 7.6 x H 2.5 cm
Weight	TX 168g, RX 178g
Housing material	Metal
Color	Black

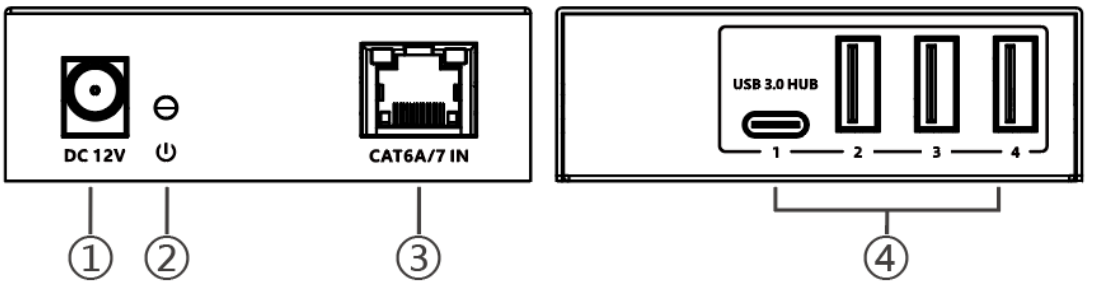
5. Ports and Interfaces

Transmitter



1	Power indicator	· **Steady on:** powered on · **Light off:** powered off
2	RJ45 Port	Connect with CAT 6A (or higher) network cable · **Green LED-steady on:** Established connection between TX and RX · **Yellow LED-steady on:** Transmitting USB3.0 signals
3	USB Host 3.0 port	Connect USB 3.0 port of computer host, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1

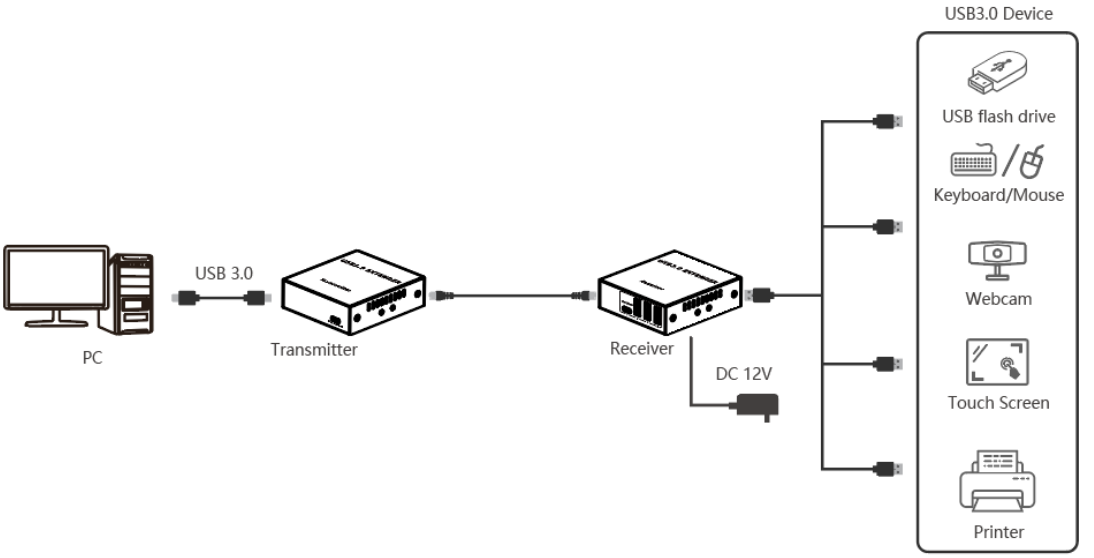
Receiver



1	Power input	Connect with DC 12V/3A power adapter
2	Power indicator	· **Steady on:** powered on · **Light off:** powered off
3	RJ45 Port	Connect with CAT 6A network cable · **Green LED-steady on:** Established connection between TX and RX · **Yellow LED-steady on:** Transmitting USB3.0 signals
4	USB Hub port	Connect with USB3.0/2.0/1.1 device, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc.

6. Connection Diagram

One-to-one connection



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. One-to-one connection: Connect the transmitter and receiver with a CAT 6A (or higher) network cable.
3. Plug the power supply into the receiver to get started.

7. Q&A

Q: USB device is not recognized when connected?

A:

1) Check whether USB port of the transmitter is connected to the USB 3.0 interface properly.
2) Power the transmitter or receiver again.

Q: The receiver is unstable when connected to an external hard drive?

A:

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

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info@assmann.com
Assmann Electronic GmbH
Auf dem Schüffel 3
58513 Lüdenscheid
Germany