1. Introduction

This USB 3.2 Gen1 extender set is designed to extend signal from one USB host to multiple USB devices for up to 100 meters (328 feet) when paired with receiver from the homologous series. This transmitter enables the extension from the USB-C host to a local USB device and USB devices on the receiver. The transmitter can be powered by a connected host device such as a computer or laptop, without the need for an external power adaptor. Type-A port can provide up to 5V/900mA (4.5W) power when unit is active. The unit also has a hotkey for convenient firmware update.

2. APPLICATIONS

• Remote USB extension

• Security and monitoring

• Industrial control

• Conference room and boardroom KVM Extension

3. Package Contents

• 1× USB 3.2 over Category Cable Transmitter

• 1× Operation Manual

4. SYSTEM REQUIREMENTS

• The use of industry standard Cat.6, Cat.6A or Cat.7 cable is highly recommended.
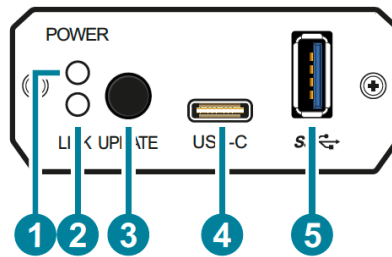
5. FEATURES

• Support USB 3.2 Gen1 with 1 USB-C host port and 1 USB-A device port

• Support Point-to-Point transmission

• Transmission up to 100 meters (328 feet)

• The transmitter can be powered by a connected host such as a computer or laptop

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• The host can control multiple USB devices on transmitter side and receiver side

• Firmware update with hotkey from the transmitter, enabling remote firmware updates to the receiver.

• Backward compatible with USB 2.0

6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel

1.POWER LED: This LED will illuminate to indicate the unit is on and receiving power.

2.LINK LED: This LED will illuminate solidly when a live connection with a compatible receiver is active.

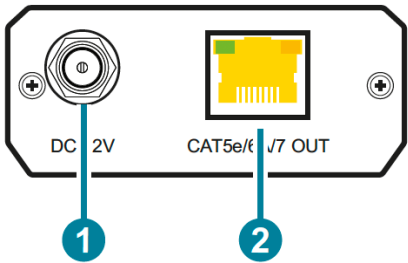**3. UPDATE Button:** Reserved for manufacturer use only.

4. USB 3.2 Host Port (Type-C): Connect directly to a USB host such as a PC or laptop to extend their USB functionality to devices connected to the USB ports on the currently connected receiver.

Note: If the unit is connected to a USB-C port that provides power then no power adapter is required to power the unit.

5. USB 3.2 Device Port (Type-A): Connect directly to a standard USB device such as a mouse, keyboard or flash drive to extend their USB functionality to the host currently connected to the transmitter's USB port.
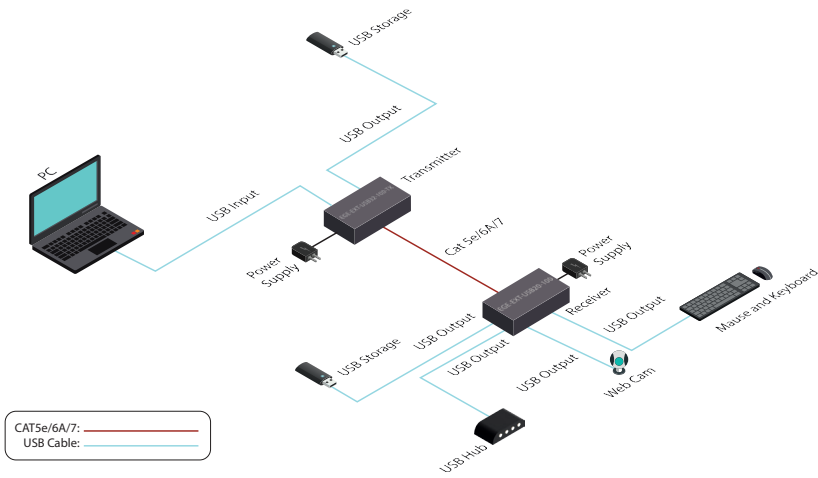
Note: Type-A port can provide up to 5V/900mA (4.5W) power.

6.2 Rear Panel

1. DC 12V Port: Plug the 12V DC power adapter into this port and connect it to an AC wall outlet for power.

2. CAT 5e/6A/7 OUT Port: Connect to a compatible receiver with a single cable for transmission and reception of all data signals.

7. Connection Diagram

8. SPECIFICATIONS

8.1 Technical Specifications

USB-C Bandwidth	5Gbps
HDBaseT Bandwidth	6Gbps
Input Ports	1×USB 3.2 (Type-C)
Output Ports	1×USB 3.2 (Type-A) 1×Cat.5e/6A/7 (RJ-45)
Power Supply	12V/1.25A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	(HBM) ±8kV (Air Discharge) ±4kV (Contact Discharge)
Dimensions	(W×H×D) 95mm×24.75mm×60mm [Case Only] 103.5mm×24.75mm×60mm [All Inclusive]
Weight	155g
Chassis	Material Metal (Aluminum)
Chassis Color	Black
Operating Temperature	0˚C – 40˚C/32˚F – 104˚F
Storage Temperature	-20˚C – 60˚C/-4˚F – 140˚F
Relative Humidity	20 – 90% RH (Non-condensing)
Power Consumption	8.34W(full load)

8.2 Cable Specifications

Cable Length	USB 3.2
	5Gbps
Ethernet Cable	
Cat.5e/6	70m
Cat.6A/7	100m