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 the transmitter from the homologous series. This receiver enables users to extend up to 4 USB 3.2 devices remotely, such as flash drives, keyboards and USB cameras. With an adapter, USB-C port supports 5V/3A power and USB-A ports provide 5V/0.9A power to USB devices. The unit also supports a hotkey for convenient firmware update from the transmitter side.

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 Receiver
• 1× 12V/3A DC Power Adapter
• 1× Operation Manual

4. SYSTEM REQUIREMENTS

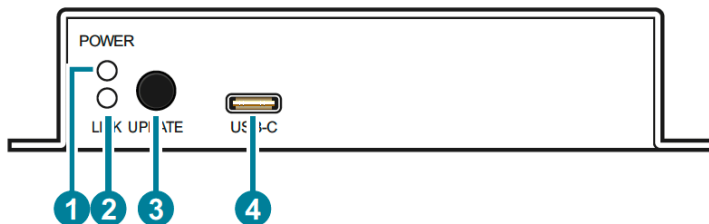• The use of industry standard Cat.6, Cat.6A or Cat.7 cable is highly recommended.

5. FEATURES

• Support 4 USB 3.2 Gen1 device ports
• Support Point-to-Point transmission
• Transmission up to 100 meters (328 feet)
• Devices can be controlled by the USB host on a transmitter
• Firmware update with hotkey from the receiver or remote update from the

transmitter.

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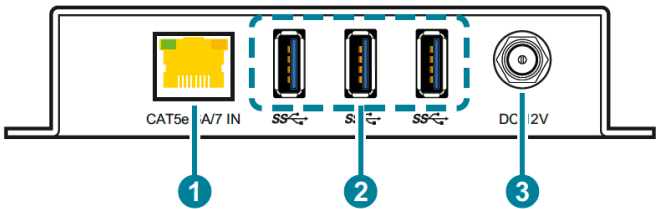
2.LINK LED: This LED will illuminate solidly when a live connection with a compatible receiver is active.

3. UPDATE Button: Reserved for manufacturer use only.

4. USB 3.2 Host Port (Type-C): Connect directly to a 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.

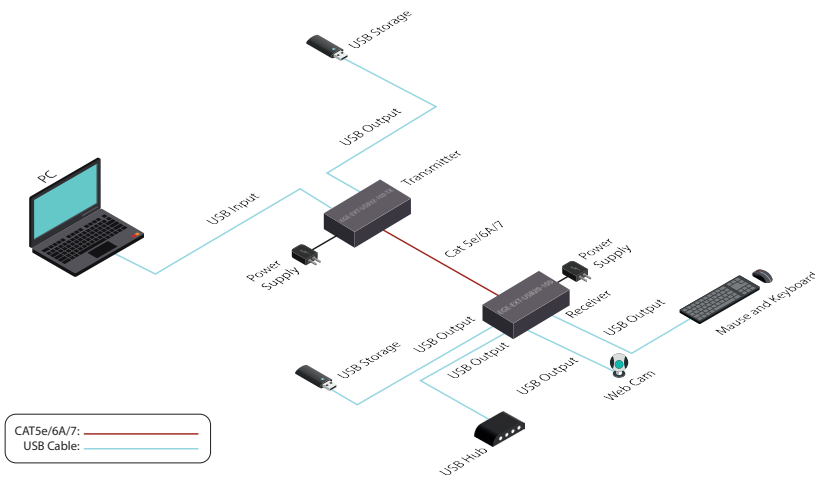Note: Type-C port can provide up to 5V/3A (15W) power.

6.2 Rear Panel

1. CAT 5e/6A/7 IN Port: Connect to a compatible transmitter with a single

cable for transmission and reception of all data signals.

2 USB 3.2 Device Port (Type-A): Connect directly to standard USB devices
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.

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

7. Connection Diagram

8. SPECIFICATIONS

8.1 Technical Specifications

USB-C Bandwidth	5Gbps
HDBaseT Bandwidth	6Gbps
Input Ports	1×Cat.5e/6A/7 (RJ-45)
Output Ports	1×USB 3.2 (Type-C)
	3×USB 3.2 (Type-A)
Power Supply	12V/3A DC
	(US/EU standards, CE/FCC/UL certified)
ESD Protection	(HBM) ±8kV (Air Discharge)
	±4kV (Contact Discharge)
Dimensions	(WxHxD) 128mm×25mm×75mm [Case Only]
Weight	275g
Chassis	Metal (Steel)
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	39.173W(full load)

8.2 Cable Specifications

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