HDBaseT-USB3 over Cat6a Extender Kit, 4 USB-A 3.2 Gen 1 Ports, PoC, RS-232, Up to 328 ft. (100 m), TAA

MODEL NUMBER: **BHDBT3-USB**

Extends data from USB peripherals, such as webcams and data storage devices, up to 328 ft. via Cat6a cable.

Features

HDBaseT Extender Kit Allows Installation of USB Devices Up to 100 m (328 ft.) from the Source
This USB transmitter and receiver use HDBaseT technology to extend and expand the potential of your USB devices. Using a single Cat6a cable, the BHDBT3-USB extends four USB peripherals up to 328 feet (100 meters), giving you more flexibility in placing webcams, interactive whiteboards, security and surveillance equipment and external data storage devices, among others.

Designed with the Newest HDBaseT 3.0 Technology
The BHDBT3-USB extension kit uses the latest Valens chipset to provide a modern solution to USB extension. It supports USB 3.2 Gen 1 data transfer rates up to 5 Gbps and is backward compatible with previous USB generations. It also supports both RS-232 and FSYNC GPIO pass-through, making the BHDBT3-USB ideal for conference halls, auditoriums, lecture halls, museums, exhibition rooms and anywhere else that requires high-quality transmission across long distances.

Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks
Bi-directional 24V Power over Cable (PoC) support powers the entire installation over Cat6a cable. Connect the included power supply at either the transmitter or the receiver end. LEDs on both the transmitter and transceiver light up to indicate the system is receiving power and a USB signal is being transmitted. PoC helps you avoid the hassle of a bulky power brick and gives you the freedom to place one end where needed without worrying about finding a nearby AC outlet.

Plug-and-Play Convenience and Easy Installation
The BHDBT3-USB requires no software or drivers to install, making setup simple. The transmitter and receiver mount to a wall using the included brackets.

TAA-Compliant for GSA Schedule Purchases
The BHDBT3-USB is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

Highlights

- Latest HDBaseT technology allows placement of USB devices up to 100 m (328 ft.) from source
- 4 USB-A ports support USB 3.2 Gen 1 data transfer rates up to 5 Gbps
- Power over Cable (PoC) powers both the transmitter and receiver from either end
- Supports RS-232 passthrough and FSYNC GPIO passthrough for industry camera use
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- USB 3.2 Gen 1 source device (all connected devices and cabling must support USB 3.2 Gen 1 standards to achieve USB 3.2 Gen 1 speeds)
- Cat6a F/FTP cabling up to 328 ft. (100 m)
- USB peripherals, such as webcams, interactive whiteboards, security and monitoring devices, remote data storage
- AC power outlet on a wall, PDU or UPS system

Package Includes

- USB 3.2 Gen 1 transmitter
- USB 3.2 Gen 1 receiver
- Locking power supply (Input: 100–240V, 50/60 Hz, 1.5A; Output: 24V 2A 48W) with 5 ft. (1.5 m) cord
- (4) International power adapters (North America, Australia, Europe, United Kingdom)
- (2) 3.5 mm Phoenix connectors
- Mounting hardware
- Owner's manual

OVERVIEW

UPC Code	037332291141
Product Type	USB Extender
Technology	Cat6a; HDBaseT; USB 3.x
Country/Region	Global
Host Connector	USB B (FEMALE)

INPUT

AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.5A
AC Power Adapter Output Specs (V / A)	24V/2A
AC Power Adapter Cord Length (ft.)	4.92
AC Power Adapter Cord Length (m)	1.5
Voltage Compatibility (VAC)	100-240
Bus Powered	No

POWER

Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
Power Consumption (Watts)	40.00

CONNECTIONS

Side A - Connector 1	USB B (FEMALE)
Side A - Connector 2	USB C (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
Side B - Connector 2	(4) USB A (FEMALE)
Side B - Connector 3	USB C (FEMALE)
Connector Plating	Nickel

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	TRANSMITTER LEDS: POWER LED: GREEN- THE UNIT IS RECEIVING POWER; LINK GREEN LED: ON: TRANSMITTER & RECEIVER ARE CONNECTED AND LINKED. FLASHING: TRANSMITTER & RECEIVER LINK IS OFF DUE TO USB LOW-POWER MODE. OFF: TRANSMITTER & RECEIVER ARE NOT CONNECTED; USB LED GREEN: ON: USB SIGNAL IS DETECTED. OFF: USB SIGNAL IS NOT DETECTED. RECEIVER LEDS: POWER LED: GREEN- THE UNIT IS RECEIVING POWER; LINK GREEN LED: ON: TRANSMITTER & RECEIVER ARE CONNECTED AND LINKED. FLASHING: TRANSMITTER & RECEIVER LINK IS OFF DUE TO USB LOW-POWER MODE. OFF: TRANSMITTER & RECEIVER ARE NOT CONNECTED; USB LED GREEN: ON: USB SIGNAL IS DETECTED. OFF: USB SIGNAL IS NOT DETECTED.

PHYSICAL	
Material of Construction	Metal
Housing Color	Black
Included Mounting Accessories	(4) Mounting Ears; (8) Machine Screws
Total Number of Ports	4
Rackmountable	No
Receiver Unit Dimensions (hwd / cm.)	2.55 x 8.5 x 10
Receiver Unit Dimensions (hwd / in.)	1 x 3.3 x 4 in.
Receiver Unit Weight (kg)	0.253
Receiver Unit Weight (lbs.)	0.557
Shipping Dimensions (hwd / in.)	4.40 x 21.10 x 9.20
Shipping Dimensions (hwd / cm)	11.18 x 53.59 x 23.37
Shipping Weight (lbs.)	9.00
Shipping Weight (kg)	4.08
Transmitter Unit Dimensions (hwd / cm.)	2.55 x 8.5 x 10
Transmitter Unit Dimensions (hwd / in.)	1 x 3.3 x 4 in.
Transmitter Unit Weight (kg)	0.260
Transmitter Unit Weight (lbs.)	0.573
Unit Dimensions (hwd / in.)	3.149 x 5.905 x 9.251
Unit Dimensions (hwd / cm)	8.00 x 15.00 x 23.50
Unit Packaging Type	Box
Unit Weight (lbs.)	1.13
Unit Weight (kg)	0.51

ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	20 to 90% RH, Non-Condensing
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

COMMUNICATIONS	
Maximum Data Rate	5 Gbps
Signal Range (ft.)	328
Signal Range (m)	100
Transmission Distance	328 ft. (100 m) over Cat6a (F/FTP) cable

EDID Compatible	No
IR Remote Extension Support	No
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	No

FEATURES & SPECIFICATIONS

USB Specification	USB 3.2 Gen 1 (up to 5 Gbps)
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Driver Required	No
Recommended Category Cable	Cat6a
DIN Mountable	No

STANDARDS & COMPLIANCE

External Power Supply Certifications	CE; FCC; PSE; TUV; UL; WEEE; cUL
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); EN 55032; EN 55035; ICES (Canada); IEC 62368-1; UL 62368-1
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS3; UKCA; WEEE

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	1-year limited warranty