Professional Audio / Video Solutions Provider

User Manual Version 1.0



100m USB 3.2 Type-C Wall-PlateHost Side with PoH

ZT-516 TX | ZT-U3EXW-DKIT

Zenty ®
9807 Emily Lane
Stafford, TX 77477
(844) 200-1945
support@zenty.com

HDMI HIGH DEFINITION MULTIMEDIA INTERFACE RoHS compliant CE FC

Scan the QR code below to or visit

https://zenty.com/products/usb-3-2-hdbaset-wallplate-extender-kit-with-displaylink.

to view and access detailed digital resources regarding this unit

ZT-516 INFO

To explore similar products, click the link below

https://zenty.com/collections/extender.

Safety Instructions:

Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do no place the product near heat sources like radiators, heat registers, stove, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

Contents

1. Product Introduction 5
2. Package Contents 5
3. Features 5
4. Specifications 5
5. Panel Description 6
6. RS232 & FSYNC 7

1. Product Introduction

This product is a 1-gang US standard Wall-plate USB 3.2 extender host side. It can work with other USB device-side devices and extend USB 3.2 Gen 1 signal transmission to 100m/330ft via a single Cat 6A/7 F/FTP or U/FTP cable.
It features one USB 3.2 type-C host port, support USB 3.2 Gen 1 standard with up to 5Gbit/s USB data transmission rate, and is backward compatible with USB 3.0, USB 2.0, and USB 1.1 specifications.
With one-way PoH function, the host side can be powered by the connected box device side.

2. Package Contents

3. 1 x Wall-Plate Host Side
4. 1 x Wall Plate Plastic Panel (1-gang US) with Screws
5. 1 x USB 3.2 Type-C to Type-C Cable (L=2m)
6. 1 x Phoenix Male Connector (3.5mm, 2-Pin)
7. 1 x Phoenix Male Connector (3.5mm, 4-Pin)

3. Features

8. 1-gang US standard.
9. Support USB 3.2 Gen 1 standard, and backward compatible with USB 3.0, USB 2.0, and USB1.1 standard.
10. Supports up to 5Gbit/s data transfer rate.
11. Support up to 100m/330ft transmission via Cat 6A/7 F/FTP or U/FTP cable.
12. One USB-C host port for connected to the laptop.
13. Pure hardware architecture is compatible with Control / Bulk / Interrupt / Isochronous transmission protocols.
14. Plug and play, no driver required, compatible with multiple operating systems.
15. Supports RS232 pass through.
16. Supports FSYNC from Host side to Device side.
17. Support FW update via micro-USB.
18. Supports One-way PoH, can be powered by device side.

4. Specifications

Technical	
Input/Output Ports	1 x USB-C HOST; 1 X USB3-LINK (RJ45); 1 x RS232+FSYNC, 1 x POWER; 1 x UPDATE (Micro-USB)
USB Standard	USB 3.2 Gen1, and backward compatible with USB 3.0, USB 2.0, and USB 1.1 standards

Technical	
Data Rate	Up to 5Gbit/s

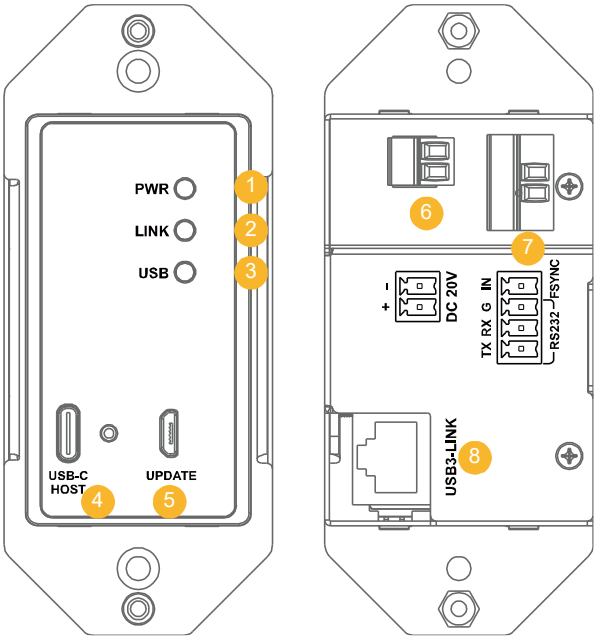
General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	20V/3A
Power Consumption (Max)	2.97W
Device Dimension (W x H x D)	45mm x 105.6mm x 66.3mm / 1.77” x 4.16” x 2.61”
Product Weight	0.16kg/0.35lb

Transmission Distance
Note:

- T568B straight-through category cable is recommended.
- Please use F/FTP or U/FTP cable, and don’t use UTP, F/UTP, or U/UTP cables.

Cable Type	Range
Cat 6A/7 (F/FTP or U/FTP) Cable	100m/330ft

5.Panel Description



No.	Name	Description
1	PWR LED	**On:** The device is powered on. **Off:** The device is powered off.
2	LINK LED	**On:** USB3-LINK is normal. **Blinking/Off:** No USB3-LINK link or link error.
3	USB LED	**On:** The USB data is being transmitted. **Off:** There's no USB data being transmitted.
4	USB-C HOST	USB 3.2 type-C port. Connect to USB-C host device such as laptop. The port supports USB 3.2 Gen 1x1 standard, and the data rate can up to 5Gbit/s. It also backward compatible to USB 3.0, USB 2.0 and USB 1.1 standard. It is recommended to use the following cable: USB Type-C to Type-C cable (USB 3.2 Gen 1x1 or above).
5	UPDATE	Micro-USB port. For firmware upgrade.
6	DC 20V	Connect to DC 20V/3A power adapter.
7	RS232 & FSYNC (IN)	RS232 pass through. FSYNC GPIO input, 3.3V.
8	USB3-LINK	Connect to the USB3-LINK port of the device side.

6. RS232 & FSYNC

The host side features a RS232 & FSYNC (IN) port, it can be used with the device side (such as FU3EX-203-000) which is built in a RS232 & FSYNC (OUT) port for RS232 & FSYNC pass-through from the host side to the device side.

RS232 & FSYNC (IN): FSYNC (IN), GPIO digital in port, supports 3.3V voltage input. Connect to a PC.

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

Warranty

If your product does not work properly because of a defect in materials of workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (5) Years”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached phone and/or email address where you can be reached.

Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by

products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under “Limited Warranty Coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and

from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



WWW.ZENTY.COM

9807 Emily Lane

Stafford, TX 77477

(844) 200-1945

SUPPORT@ZENTY.COM

SALES@ZENTY.COM