



Zenty | Professional A/V Solution Provider

User Manual ^[V1.0]



4K@120Hz USB-C Extender Over Ethernet (132ft.)

ZT-419 | ZT-UC-H120Hz



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1. Introduction

This USB-C extender is a perfect device for extending USB-C enabled device video signals. It extends the USB-C (DP alt mode) input signal to remote outputs up to 132ft on AWG 23 and 98ft. on AWG 26, making it ideal for point-to-point digital signage applications that demand high-quality HDMI™ video up to 4K@120Hz 4:4:4 with DSC function.

2. Features

- Supports USB-C input and HDMI output
- Supports resolutions up to 4K@120Hz YUV 4:4:4. Distance up to 132ft on AWG 23 and 98ft. on AWG 26
- HDCP 2.3, 2.2, and 1.4 compliant
- Supports High Dynamic Range (HDR) video
- EDID and HDCP bypass
- Digital stream conversion (DSC) function and compatible with DSC 1.2a
- High data transfer rate up to 8Gbps per channel (32Gbps all channels)
- TMDS clock can be up to 800MHz
- 12-bit per channel (36-bit all channels) deep color
- Supports uncompressed audio, such as LPCM
- Supports compressed audio, such as DTS and Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD)

3. Specifications

Input Port	1 x USB-C Male, 1 x RJ45
Output Port	1 x HDMI, 1 x RJ45
Extension Distance	4K@120Hz 4:4:4: 132ft on AWG 23 and 98ft. on AWG 26,
Interlaced Resolutions (50 & 60Hz)	480i, 576i, 1080i
Progressive Resolutions (50 & 60Hz)	480p, 576p, 720p, 4K@60Hz / 4K@120Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0°C ~ 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V
Power Consumption (Max)	TX: 4W RX: 3.5W
Extender Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS

Dimensions (L x W x H)	TX: 93.4 x 34 x 15mm RX: 72.5 x 34 x 15mm
Gross Weight	135g 0.29 lbs.
Material	Aluminum Alloy + ABS
User Manual	English Version

4. Package Contents

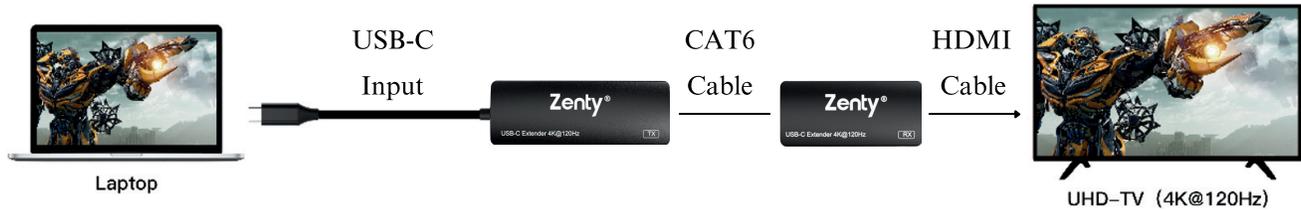
- (1) x Transmitter
- (1) x Receiver
- (1) x USB-A to USB-C Power Cable

5. Ports and Interfaces



1. USB-C Male Input: Connect to Input source device via USB-C male input port
2. RJ45 Out: UTP cable output connection port
3. RJ45 In: UTP cable input connection port
4. HDMI Out: Connect to an HDMI display via HDMI male output port
5. DC/5V: DC 5V USB-C power-in port

6. Connection Diagram



7. Maintenance

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

8. Warranty

If your product does not work properly because of a defect in materials or 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.

9. 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.

10. 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.



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