

## VE813

HDMI/USB HDBaseT Extender (4K@100m)  
(HDBaseT Class A)



The VE813 HDMI HDBaseT Extender is an HDMI and USB Extender that supports HDBaseT and patented ExtremeUSB® technology. The VE813 can extend HDMI and USB 2.0 signal up to 100 meters from the HDMI source using a single Ethernet cable. The VE813 supports HDMI features such as 3D, Deep Color, 4k2k, CEC and HDCP. It is equipped with USB connectors that provide touch panel control and file transfer functionality. The extender is also great for syncing files and folders between portable and desktop computers. The VE813 is ideal for medical imaging and digital signage.



### Features

- Extends HDMI signals up to 100 m
- Superior video quality - up to 4K@70m (Cat 5e/6) / 100m (cat 6a/ATEN [2L-2910](#) Cat 6)
- Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- Supports Dolby True HD and DTS HD Master Audio
- ExtremeUSB® - supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- Supports USB 1.1 web cameras
- USB 2.0 Support\* – connects devices such as keyboard, mouse, flash drive, printer, touch panel and other USB devices which require moderate amounts of bandwidth
- Built-in 8KV/15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)
- Works with all major operating systems: Windows®, OS X®, and Linux®
- Rack-mountable

\* Note: The VE813 supports a maximum combined USB transfer rate of 30 Mbps for attached USB devices.

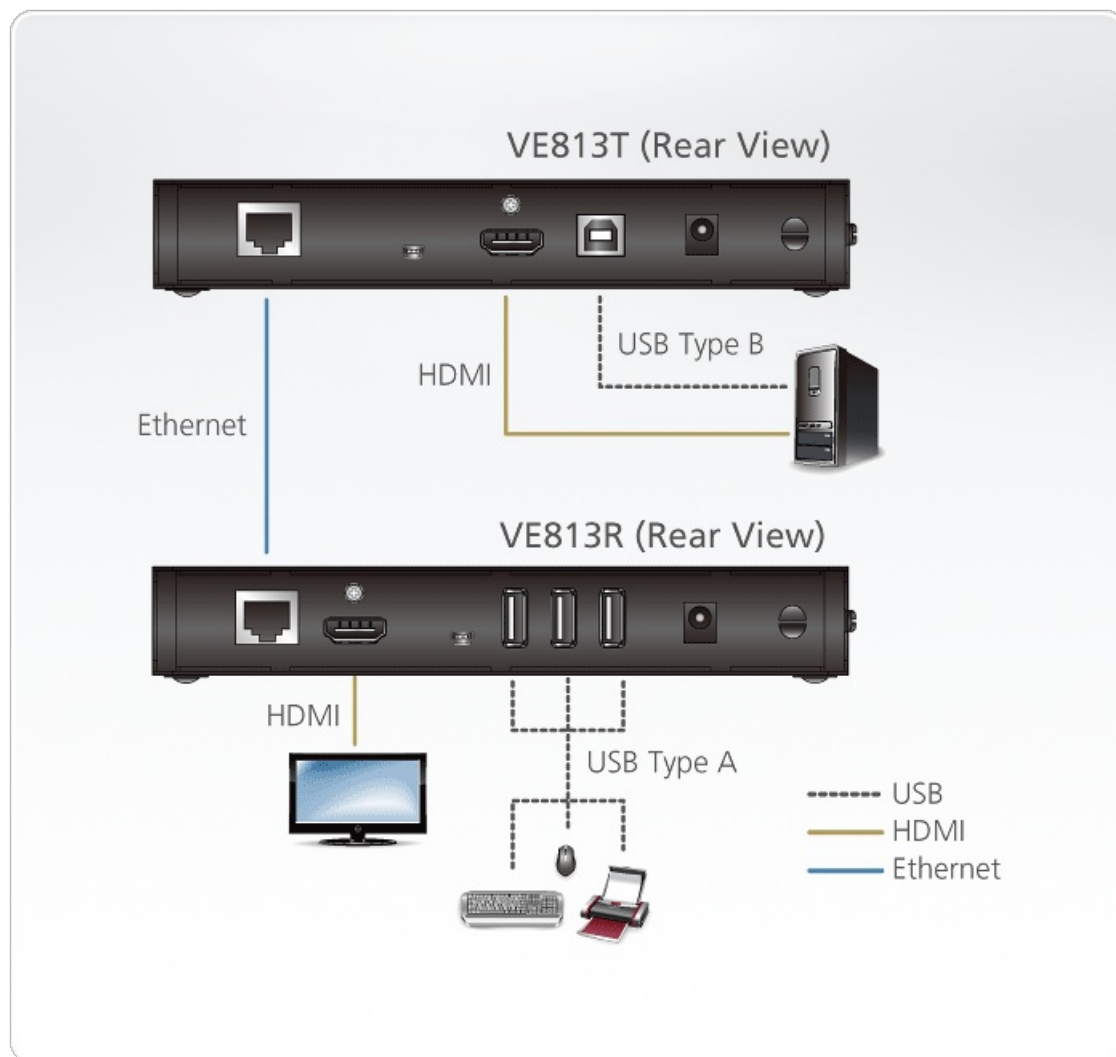
### Specification

| Function      | VE813R | VE813T                         |
|---------------|--------|--------------------------------|
| Video Input   |        |                                |
| Interfaces    | -      | 1 x HDMI Type A Female (Black) |
| Impedance     | -      | 100 Ω                          |
| Max. Distance | -      | 1.8 m                          |

|                             |   |   |
|-----------------------------|---|---|
| Video Output                |   |   |
| Interfaces                  | 1 x HDMI Type A Female (Black)  | -   |
| Impedance                   | 100 $\Omega$  | -   |
| Video                       |   |   |
| Max. Data Rate              | 10.2 Gbps (3.4 Gbps Per Lane)   | 10.2 Gbps (3.4 Gbps Per Lane)   |
| Max. Pixel Clock            | Up to 340 MHz   | Up to 340 MHz   |
| Compliance                  | HDMI (3D, Deep Color, 4K)<br>HDCP Compatible<br>Consumer Electronics Control (CEC)  | HDMI (3D, Deep Color, 4K)<br>HDCP Compatible<br>Consumer Electronics Control (CEC)  |
| Max. Resolutions / Distance | Up to 4K@70m (Cat 5e/6) / 100m (cat 6a);<br>1080p@100m<br>*4K supported:<br>4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0);<br>4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)   | Up to 4K@70m (Cat 5e/6) / 100m (cat 6a);<br>1080p@100m<br>*4K supported:<br>4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0);<br>4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)   |
| Audio                       |   |   |
| Input                       | -   | 1 x HDMI Type A Female (Black)  |
| Output                      | 1 x HDMI Type A Female (Black)  | -   |
| Control                     |   |   |
| USB Channel                 | 3 x USB Type A Female<br>Transfer Rate: USB 2.0 (Up to 30 Mbps)   | 1 x USB Type B Female<br>Transfer Rate: USB 2.0 (Up to 30 Mbps)   |
| Connectors                  |   |   |
| Power                       | 1 x DC Jack   | 1 x DC Jack   |
| Power Consumption           | DC5V:5.75WBTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. | DC5V:5.75WBTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental               |   |   |
| Operating Temperature       | 0-50°C  | 0-50°C  |
| Storage Temperature         | -20 - 60°C  | -20 - 60°C  |
| Humidity                    | 0 - 80% RH, Non-Condensing  | 0 - 80% RH, Non-Condensing  |
| Physical Properties         |   |   |
| Housing                     | Metal   | Metal   |
| Weight                      | 0.62 kg ( 1.37 lb )   | 0.61 kg ( 1.34 lb )   |

|                           |   |   |
|---------------------------|---|---|
| Dimensions<br>(L x W x H) | 18.20 x 11.61 x 2.87 cm<br>(7.17 x 4.57 x 1.13 in.)   | 18.20 x 11.61 x 2.87 cm<br>(7.17 x 4.57 x 1.13 in.) |
| Carton Lot                | 5 pcs   | 5 pcs   |
| Note                      | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |   |

#### Diagram



#### ATEN International Co., Ltd.

3F, No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.  
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their respective owners.