

# 4K HDMI HDBaseT Extender with ExtremeUSB®

## VE813A

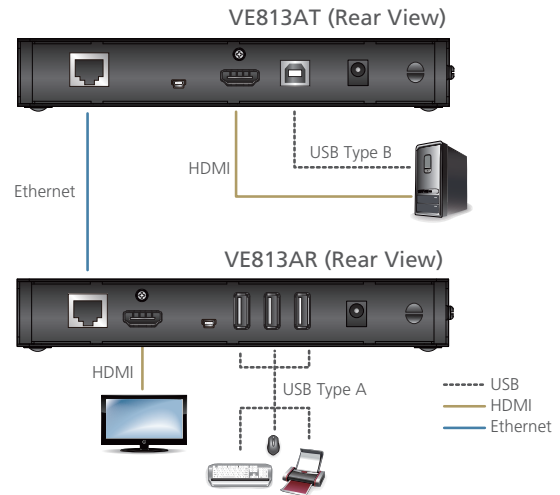
- The VE813A HDMI HDBaseT Extender is an HDMI and USB Extender that supports HDBaseT and patented ExtremeUSB® technology. The VE813A can extend HDMI and USB 2.0 signal up to 100 meters from the HDMI source using a single Ethernet cable. The VE813A supports HDMI features such as 3D, Deep Color, 4K2K, 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 superior display capability makes VE813A ideal for medical imaging and digital signage.



### Features

- Implements HDBaseT extension technology using only one Cat 5e/6a cable that connects the transmitter and receiver
- Anti-jamming – high quality video transmissions via HDBaseT technology that resists signal interference
- 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)
- USB 2.0 Support\* – connects devices such as keyboard, mouse, audio, flash drive, printer, touch panel, USB 1.1 web cameras 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 VE813A supports a maximum combined USB transfer rate of 40 Mbps for attached USB devices.



### Specifications

Function	VE813AT	VE813AR
<b>Video Input</b>		
Interface	1 x HDMI Type A Female (Black)	N/A
Impedance	100 Ω	N/A
Max. Distance	1.8 m	N/A
<b>Video Output</b>		
Interface	N/A	1 x HDMI Type A Female (Black)
Impedance	N/A	100 Ω
<b>Video</b>		
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)	
Max. Pixel Clock	Up to 340 MHz	
Compliance	HDMI (3D, Deep Color, 4K); HDCP Compatible Consumer Electronics Control (CEC)	
Max. Resolutions /Distance	Up to 4K @ 70 m (Cat 5e/6) / 100 m (cat 6a); 1080p @100 m <b>*4K supported:</b> 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	
<b>Audio</b>		
Input	1 x HDMI Type A Female (Black)	N/A
Output	N/A	1 x HDMI Type A Female (Black)
<b>Control</b>		
USB Channel	<b>Connector:</b> 1 x USB Type B Female; <b>Transfer Rate:</b> USB 2.0 (Up to 40 Mbps)	<b>Connector:</b> 3 x USB Type A Female; <b>Transfer Rate:</b> USB 2.0 (Up to 40 Mbps)
<b>Power</b>		
Connectors	1 x DC Jack	
Consumption	5 VDC, 5.75 W*	
<b>Environmental</b>		
Operating Temperature	0° to 40° C	
Storage Temperature	-20° to 60°C	
Humidity	0 - 80% RH, Non-Condensing	
<b>Physical Properties</b>		
Housing	Metal	
Weight	0.61 kg	0.62 kg
Dimensions (L x W x H)	18.20 x 11.61 x 2.87 cm	18.20 x 11.61 x 2.87 cm

\*Note: For the VE813AR, power consumption will be 13.25W when all 3 USB connectors are occupied.

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