

VE813

HDMI HDBaseT Extender with USB

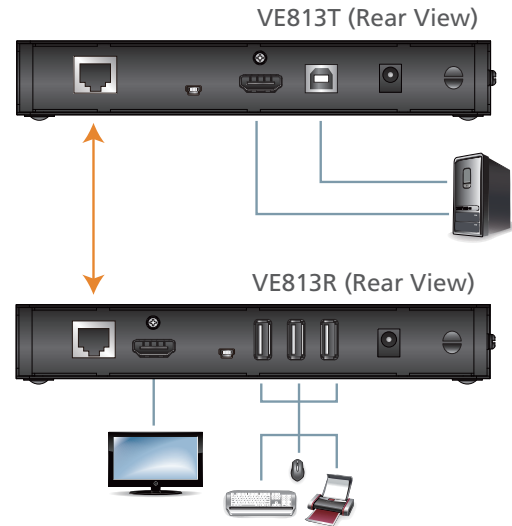
- The VE813 HDMI HDBaseT Extender is an HDMI and USB Extender that supports HDBaseT and ExtremeUSB technology. The VE813 can extend an HDMI signal up to 100 meters from the HDMI source using a single Cat 5e/6 cable. The VE813 supports HDMI features such as 3D, Deep Color, 4k2k, CEC and HDCP. It is equipped 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

- Implements HDBaseT extension technology using only one Cat 5e/6 cable to connect the transmitter and receiver
- Long distance transmission – up to 100 m
- Supports resolutions of up to Ultra HD 4Kx2K and 1080p Full HD
- HDMI (3D, Deep Color, 4Kx2K); HDCP compatible
- Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- Supports up to 340MHz bandwidth for high performance video
- Signaling rated up to 3.4 Gbits
- ExtremeUSB* Support – supports all USB 2.0 High Speed device
- Supports Dolby True HD and DTS HD Master Audio
- Consumer Electronics Control (CEC)Support
- Built-in 8KV/15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)
- USB 2.0 Support – connects devices such as keyboard, mouse, flash drive, printer, microphone, speakers, USB 1.1 web cameras and other USB devices which require moderate amounts of bandwidth

Note: The VE813 supports USB transfer rates of up to 30 Mbps.



Specifications

Function	VE813T	VE813R
Video Input		
Interface	1 x HDMI Type A Female (Black)	N/A
Impedance	100 Ω	
Max. Distance	1.8 m	
Video Output		
Interface	N/A	1 x HDMI Type A Female (Black)
Impedance	100 Ω	
Video		
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@70m (Cat 5e/6) / 100m (cat 6a); 1080p@100m *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	
Audio		
Input	1 x HDMI Type A Female (Black)	N/A
Output	N/A	1 x HDMI Type A Female (Black)
Control		
USB	1 x USB Type B Female	3 x USB Type A Female
Power		
Connectors	1 x DC Jack	
Consumption	5 VDC, 5.75W	
Environmental		
Operating Temperature	0-50°C	
Storage Temperature	-20 - 60°C	
Humidity	0 - 80% RH, Non-Condensing	
Physical Properties		
Housing	Metal	
Weight	0.61 kg	0.62 kg
Dimensions (L x W x H)	18.00 x 11.50 x 3.00 cm	18.00 x 11.50 x 3.00 cm

Note: For the VE813R, power consumption will be 13.25W when all 3 USB connectors are occupied.

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