

VE1833

True 4K HDMI / USB HDBaseT 3.0 - Lite Transceiver with PoH (True 4K@40 m)



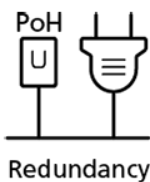
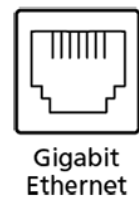
The ATEN VE1833 True 4K HDMI / USB HDBaseT 3.0 - Lite Transceiver with PoH integrates both transmitter and receiver functions in one compact unit, allowing users to flexibly configure it through a DIP switch according to diverse AV setup. Leveraging HDBaseT 3.0 technology, the VE1833 delivers uncompressed True 4K HDMI signals over distances up to 40 m via a single Cat 6a cable (HDBaseT 3 Certified Cat 6a U/FTP / ATEN's tailor-made HDBaseT cable*), with zero.

Designed for professional AV environments, the VE1833 supports resolutions up to 4096 x 2160 @ 60Hz (4:4:4) and advanced video formats including HDR, HDR10+, and Dolby Vision, along with HDCP 2.2/2.3, 3D, and Deep Color, ensuring superior video quality. The VE1833 features bi-directional PoH with power redundancy, ensuring continuous operation for critical missions.

The VE1833 extends not only HDMI video but also independent stereo audio, USB 2.0, IR, and bi-directional RS-232 signals all over a Cat 6a cable. It also provides HDMI audio embedding and de-embedding, making it easy to route audio separately when needed, and ideal for setups involving external speakers or audio processors. This all-in-one design streamlines complex installations and allows for seamless integration with video matrix switches, splitters, and more.

Empowered by its versatile feature set and flexible deployment options, the VE1833 is an ideal solution for conference halls, auditoriums, lecture theaters, museums, exhibition spaces, and any environment that demands high-performance AV transmission with simplified setup.

Note: Please refer to the Compatible Cables section on the product page.



Features

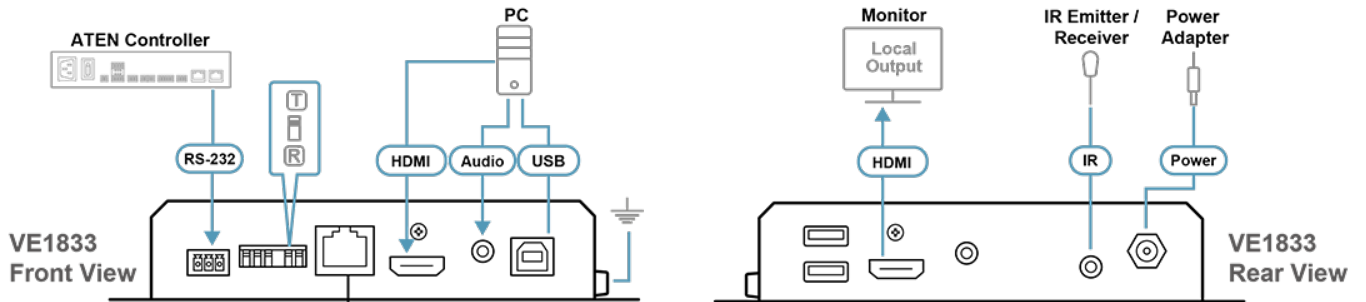
- Extends uncompressed True 4K HDMI signals up to 40 m over a single Cat 6a cable with zero
- Compliant with HDBaseT 3.0 standards – transmits high-quality video, full range IR, bi-directional RS-232, independent stereo audio and USB 2.0 signals channel bypass
- Superior video quality – up to 4096 x 2160 @ 60 Hz (4:4:4); HDR, HDR+, Dolby Vision supported
- Supports HDMI audio embedding / de-embedding functions
- Bi-directional PoH with power redundancy for continuous operation
- Flexible for deployment – can be configured as a transmitter or receiver depending on the AV solution
- HDMI (3D, Deep Color, 4K/60Hz); HDCP2.2/2.3 compliant
- Supports HDMI local output
- Compliant with the USB 2.0 standard for a wide range of USB peripherals compatibility
- LED indication of HDBaseT and HDMI signal status for easier recognition
- Supports extremely high refresh rates up to 240Hz for the connected display
- Firmware upgradable
- Built-in 8KV / 15KV ESD protection
- Plug-and-play
- Rack-mountable

Specifications

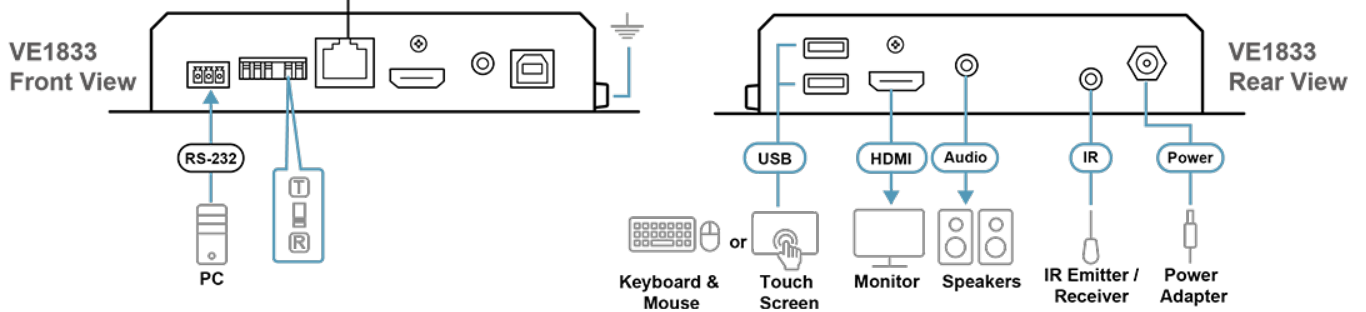
Input Resolutions	4096 x 2160p 24 / 25 / 30 / 50 / 60 Hz	1280 x 800 @ 60 Hz
	4096 x 2160p 50 / 60 Hz 4:2:0	1080p 24 / 25 / 30 / 50 / 60 Hz
	3840 x 2160p 24 / 25 / 30 / 50 / 60 Hz	1080i 50 / 60 Hz
	3840 x 2160p 50 / 60 Hz 4:2:0	1024 x 768 @ 60 / 70 / 75 Hz
	2560 x 1440 @ 144 Hz	800 x 600 @ 56 / 60 / 72 / 75 Hz
	1920 x 1200 @ 60 Hz / 60 Hz (Reduced Blanking)	720p 50 / 60 Hz
	1920 x 1080 @ 60 / 120 / 144 / 240 Hz	720 x 400 @ 70 Hz
	1680 x 1050 @ 60 Hz	640 x 480 @ 60 / 67 / 72 / 75 Hz
	1600 x 1200 @ 60 Hz	640 x 480 @ 60 Hz (4:3)
	1440 x 900 @ 60 Hz	576p 50 Hz (4:3 / 16:9)
	1400 x 1050 @ 60 Hz	480p 60 Hz (4:3 / 16:9)
	1280 x 1024 @ 60 / 75 Hz	

Diagram

VE1833 as Transmitter



VE1833 as Receiver


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