

# Vertiv™ Avocent® VHX133

High Performance KVM over IP



## Product features

- 4K over 1-gigabit network
- Up to HDMI 1.4 4K@30Hz Video input and HDCP2.2 supported.
- Audio supports LPCM and Dolby Digital / Dolby Digital Plus/DTS/Dolby TruHD/ DTS-HD bit stream.
- Hybrid video output (Each Receiver can output HDMI & VGA videos simultaneously from a selected HDMI/VGA input)
- Max. Bit-rate control (10 Mbps ~ 800 Mbps)
- USB 2.0 pass-through for IP KVM application
- Up to 8 × 16 Video Wall Configuration

The VHX133 is a high performance KVM over IP extender. This unique design helps you to access and control your VGA/HDMI workstation located away from the user. The VHX133 is the preferred solution for broadcasting, postproduction, control rooms and many other industries where high resolution and zero latency is required. Furthermore, because they are IP-based, they provide flexibility in locating critical computing hardware in a secure and temperature-controlled environment away from the user workstation, while maintaining a flawless desktop experience.

## Extend Various Computer Signals up to 100m,500m and more...

The VHX133 4K KVM over IP Extender allows the signal of HDMI equipment to be extended up to 330ft (100m) with Cat6 cable or Multi-mode SFP fiber optics up to 500m in point-to-point configuration, and the HDMI video resolution can be up to 4K@30Hz. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to the same Ethernet LAN.

## Ultra-High Definition Video Quality with Low Latency

The VHX133 series KVM extender supports video resolution up to 4K@30Hz with only less than a second Low Latency Performance. The TX unit further equips a loopback video output, allowing the user to monitor the computer video at the local PC site.



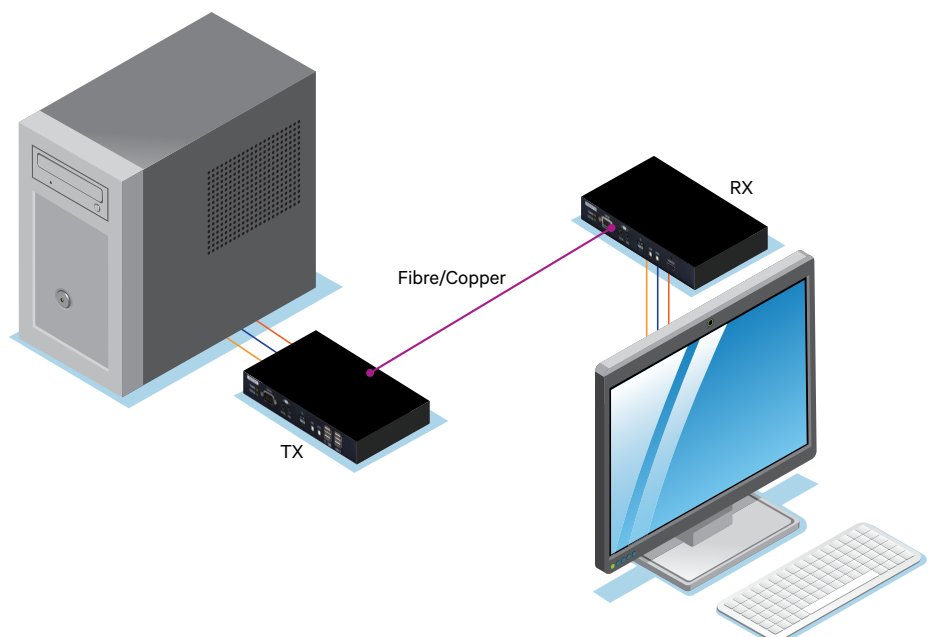
VHX133 (Transmitter Unit & Receiver Unit)

Front Panel



VHX133 (Transmitter Unit & Receiver Unit)

Rear Panel



## Technical Specifications

Model	Descriptions
TX Unit	1 × HDMI IN Female + 1 × VGA IN Female
	1 × HDMI OUT, Loopback Female
	Audio Connector: 1 × MIC out, 1 × Line out + 1 × IR out jack 1 × IR IN jack
	USB Connector: 1 × USB Type - B Female + 1 × 2P Slide Switch
	RS232: 1 × DB-9 Female
	Link Connector: 1 × RJ45, 1 × SFP cage
RX Unit	1 × HDMI OUT Female
	1 × VGA OUT Female
	Audio Connector: 1 × Mic in, 1 × Line out + 1 × IR IN jack 1 × IR out jack
	USB Connector: 4 × USB Type A
	RS232: 1 × DB-9 Male + 2 × Push-buttons
	Link Connector: 1 × RJ45, 1 × SFP cage

## General Specifications

SFP Optical Modules	Multi-mode, 1.25Gb/s, 850nm
Max. Video Resolution	4K@30Hz (HDMI), 1920 × 1080@60Hz (VGA)
Power Supply	DC 12V
Temperature	Operation: 0 ~ 50°C; Storage: -20 ~ 60°C
Storage/Operation Humidity	0~90% RH, Non-Condensing
Weight	590g
Dimensions	217.5mm (L) × 105mm (W) × 30mm (H)
Certifications	CE, FCC, BIS

## Ordering Details

Model No	Description
VHX133TF	VHX133 Transmitter Unit, HDMI, USB, Gigabit LAN Port, Fiber Port, SFP module
VHX133RF	VHX133 Receiver Unit, HDMI, USB, Gigabit LAN Port, Fiber Port, SFP module