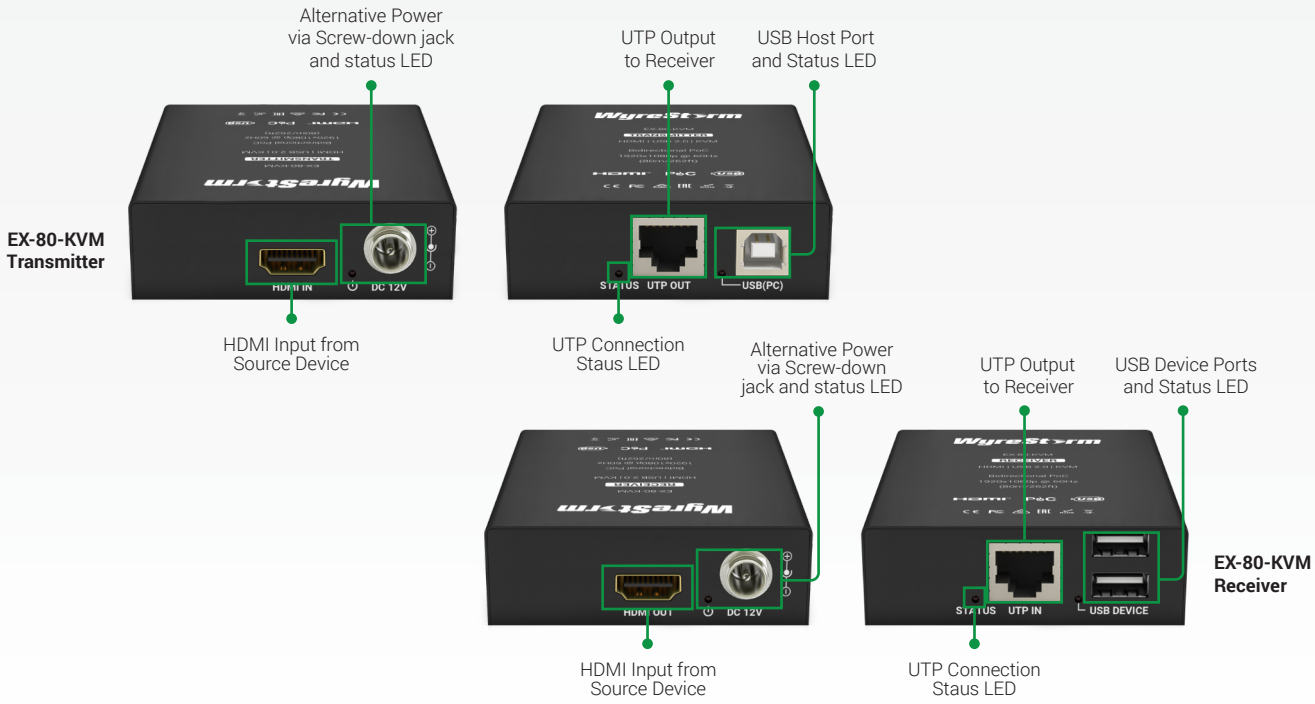
HDMI KVM Extender Setwith USB 2.0 Extension

EX-80-KVM

Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

Introduction

The WyreStorm EX-80-KVM is a plug and play HDMI and KVM extender, capable of sending up to resolutions of 1080p@60Hz and HID (Human Interface Device) up to 80m (262ft) over a single CAT5e/6 cable. Additionally, it supports bidirectional POC (Power Over Cable) for powering at either the transmitter or the receiver with only one power adapter, making installations quick and effortless. Perfect use in office, home and presentation settings to extend HD video and USB keyboard and mouse from a local zone to a remote PC or laptop.

Key Features

- Full HD video resolution of up to 1080P@60Hz at up to 80m (262ft)
- Supports up to USB 2.0 data transfers bidirectionally up to 60m (197ft) and HID (Human Interface Devices) up to 80m (263ft)
- HDMI 1.3 and HDCP 1.4 Compliant.
- Bidirectional PoC - Powered at either the transmitter or receiver with only one power adapter.

In the Box

1x EX-80-KVM Transmitter
1x EX-80-KVM Receiver
1x 12V DC 2A Power Supply (US/UK/EU/AU)
1x USB Type B to Type A Cable
4x Mounting Brackets

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	Transmitter	Receiver
Audio and Video		
Inputs	1x HDMI In: 19-pin type A 1x USB Type B	1x UTP In: 8-pin RJ-45 Female 2x USB Type A
Outputs	1x UTP Out: 8-pin RJ-45 Female	1x HDMI Out: 19-pin type A
Output Video Encoding	UTP	
Encoding Data Rate	6.75Gbps	
End to End Latency	10µs (micro seconds)	
Audio Formats	2ch PCM | Multichannel up to DTS-X and Dolby Atmos	
Video Resolutions (Max)	1920x1200p @60Hz 12bit	
Supported Standards	DCI | RGB	
Maximum Pixel Clock	225MHz	
Communication and Control		
HDMI	HDMI 1.3b | HDCP 1.4 | EDID | DVI/D supported with adapter (not included)	
UTP	HDMI 1.3b | HDCP 1.4 | EDID | 2-way PoC	
USB	1x Type B (host) | 2x Type A (device) (Transmitter and Receiver) Maximum uplink speed : 480Mbps | 60m/172ft Cat6,6a,7	
Power		
Power Supply	12V 2A	
Power Consumption	3.6W (per unit)	
PoC	16.25W	
Environmental		
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing	
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing	
Maximum BTU	12.28 BTU/hr	
Dimensions and Weight		
Rack Units/Wall Box	<1U	
Height	23mm/0.9in	
Width	75mm/2.95276in	
Depth	98.2mm/3.87in	
Weight	0.22kg/0.48lb (each)	
Regulatory		
Safety and Emission	CE | FCC | RoHS | RCM | EAC	