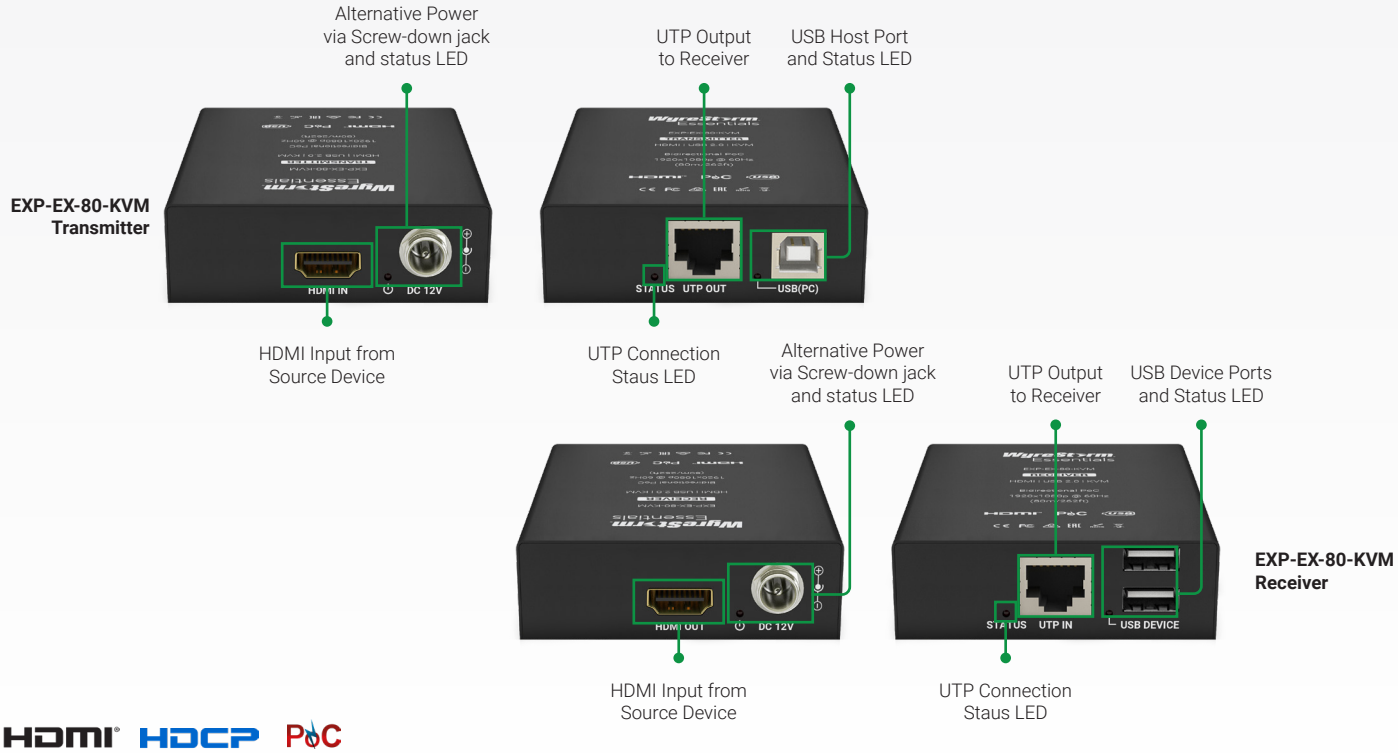
HDMI KVM Extender Set with USB 2.0 Extension

EXP-EX-80-KVM

WyreStorm Essentials

Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

Introduction

The WyreStorm EXP-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.

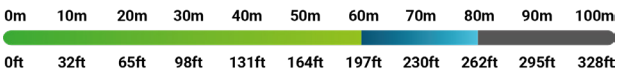
Key Features

- 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 EXP-EX-80-KVM Transmitter
1x EXP-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

Cat6 Cable Performance Guide

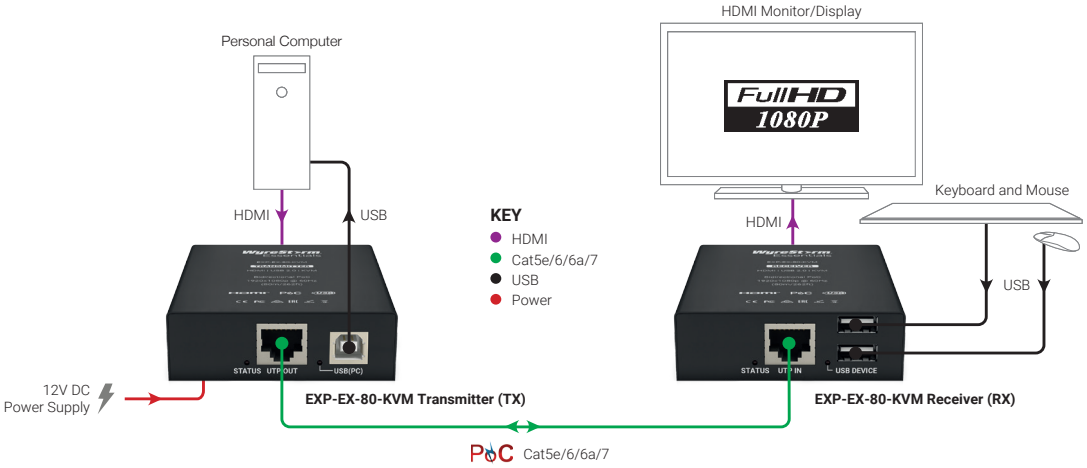


USB Storage Device Transmission **HD/HID Device** Transmission

WyreStorm recommends the use of shielded cable to minimize signal noise and interference

Specifications

	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 (Max)	10µs (micro seconds)			
Audio Formats	2ch PCM | Multichannel up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	**Video Resolution**	**HDMI**	**Cat6**	**Cat6a/7**
	1920x1080p @60Hz 12bit	15m/49ft	80m/262ft	80m/262ft
	Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference			
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			
PoC	IEEE 802.3af 48V 15.4W Max | 2-way			
Max Power Consumption	3.6W (per unit)			
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			

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

Right Product for the Right Application.