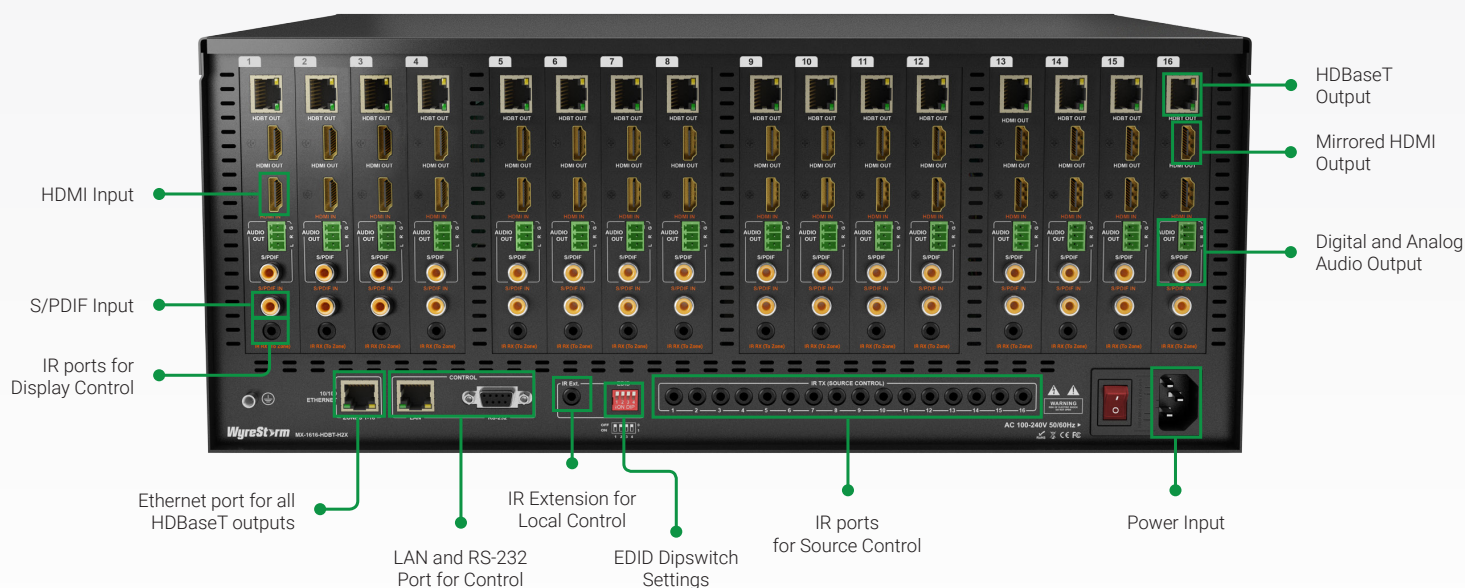


16x16 4K HDR HDBaseT™ Matrix Switcher including 48x16 Audio Matrix & DSP (4K: 70m/230ft | 1080p: 100m/328ft)

MX-1616-HDBT-H2X

WyreStorm

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

A significant step forward in HDBaseT™ Matrix Development offering centralized, Secure Audio/Video Signal Management & Distribution, ensuring zero latency and perfect AV synchronicity of all the latest HD & UHD formats. A range of accessory products offered.

Key Features

- 16x16+16 HDBaseT™ Class A 4K UHD matrix switcher featuring 16 zone video and integrated audio matrixing
- Modular platform with optional HDBaseT™ PoH Input card for connection and matrixing of remote sources throughout an installation – more modular cards options available Q2 2017
- 48-input audio matrix to 16 audio zones with HDMI de-embed, S/PDIF in and ARC
- 16 HDMI inputs giving 18Gb/s throughput to 16 HDMI outputs
- Supports 4K UHD content with 10-bit HDR to 70m/230ft or 1080p/60/48-bit to 100m/328ft
- AVR Priority mode for all HDMI and HDBaseT™ outputs
- CEC power triggering for all HDMI and HDBaseT™ outputs
- Source restriction of any source to any zone
- Completely independent A/V matrix platforms allowing real flexibility
- Built-in diagnostic to monitor system and transmission performance
- DSP allowing adjustment of Gain, EQ, delay and compression for every audio zone
- PoH to every zone with ARC receivers
- Accessory devices to build large system infrastructures
- QuickSync™ technology for near instant switching
- SmartEDID™ feature dynamically solves mixed resolution conflicts when combining 2K/4K screens in the same installation Accessory devices to build large system infrastructures

In the Box

1x MX-1616-HDBT-H2X HDBaseT Matrix Switcher
1x Handheld IR Remote
16x IR emitters
16x 3-pin phoenix to stereo RCA sockets
1x AC Power Cord with US Plug

1x AC Power Cord with UK Plug
1x AC Power Cord with EU Plug
1x USB to UART Serial Cable
2x 4U Rack Ears and Screws
1x Quickstart Guide

Specifications

Audio and Video				
Inputs	Up to 16x HDMI In19-pin type A 16x S/PDIF In Coaxial Digital			
Outputs	16x HDMI 19-pin type A (Mirrors HDBaseT) 16x HDBaseT 8-pin RJ-45 female 16x S/PDIF Out Coaxial Digital 16x Audio Out 3pin Phoenix Connector			
Output Video Encoding	HDBaseT Class A			
Encoding Data Rate	9.2Gbps			
End to End Latency	10μs (micro seconds)			
Audio Formats	S/PDIF: 2ch PCM Multichannel: Up to 5.1 DTS and Dolby Digital HDMI: 2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos Analog: 2ch			
Video Resolutions (Max)	Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	100m/328ft	100m/328ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/9.8ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/9.8ft	N/A	N/A
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A
	Long Cable Mode Forced Resolution: 1920x1080p @60Hz 12bit	N/A	140m/460ft	140m/460ft
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDMI: 600mHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDMI HDCP 2.2 EDID CEC DVI/D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID CEC ARC 1-way PoH to Receiver Bidirectional IR and Ethernet			
Ethernet	1x 8-pin RJ-45 female 10/100Mbps Web UI IP Control Bidirectional over HDBaseT			
IR	1x IR Ext - 3.5mm (1/8in) TRS Stereo Matrix Control 16x IR RX - 3.5mm (1/8in) TRS Stereo 16x IR TX - 3.5mm (1/8in) TS Mono Transmits over HDBaseT			
RS-232	Matrix Control Bidirectional over HDBaseT Firmware Updates			
Audio Return Channel (ARC)	Returns audio from displays built-in applications via ARC HDMI Input over HDBaseT			
Power				
Power Supply	100~240V AC 50/60Hz			
PoH	48V Each HDBT Output: 15.4W All Outputs: 95W			
Max Power Consumption	Default Configuration: 290W Note: Power Consumption increases by +11W for each optional TX-H2X-HDBT card installed. Max of 6 TX-H2X-HDBT cards can be used within a single matrix when using PoH.			
Environmental				
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing			
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing			
Maximum BTU	989 BTU/hr			
Dimensions and Weight				
Rack Units Wall Box	4U			
Height With Without Feet	183.1mm/7.22in 176mm/6.93in			
Width With Without Brackets	483mm/19.02in 440mm/17.33in			
Depth With Without Handles	420.7mm/16.57in 382.7mm/15.07in			
Weight	16.54kg/36.39lbs			
Regulatory				
Safety and Emission	CE FCC RoHS			

Right Product for the Right Application.

