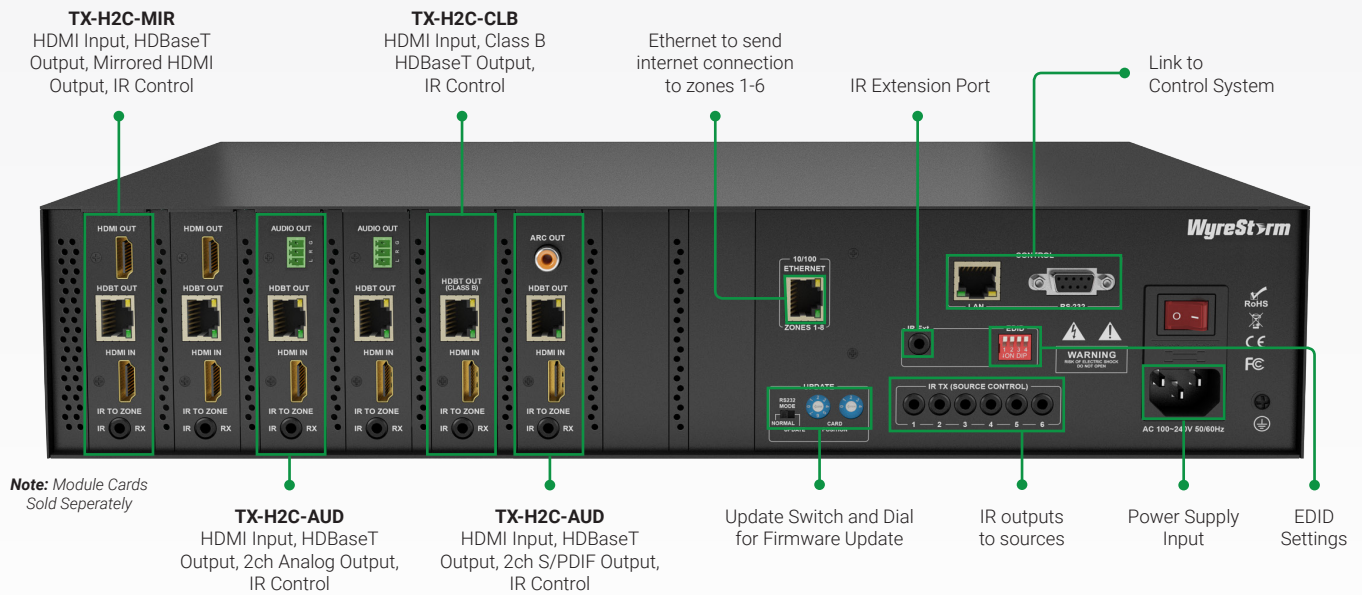


6 slot Modular HDBaseT™ Matrix supporting 4K HDR and ARC (4K: 70m/230ft | 1080p: 100m/328ft)

MX-0606-HDBT-H2C



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

When it comes to AV distribution, we don't believe "one-size-fits-all", never have. Meet the WyreStorm H2C Series, the modular evolution of our award-winning H2 Series HDBaseT™ matrix switcher line. Choose from a 6 or 8-way matrix chassis built by us to your specification, with a selection of 4K HDR transmission cards for flexible, customizable multi-zone 4K UHD HDBaseT™ distributions that are tailor-made to the precise needs of your medium-sized residential or commercial AV projects. No two AV projects are exactly the same and now with the new WyreStorm H2C Series, neither is your matrix switcher.

Key Features

- 6x6 PoH-ready custom matrix chassis with support for 4K/UHD sources and HDCP 2.2
- Built to custom specification from the range of TX-H2 transmission cards
- SmartEDID removes conflict when mixing 1080p and 4K displays
- Embedded WebUI allows setup, configuration and switching
- Control drivers available for Crestron, AMX, RTI, Control4 and Elan
- Matrix switching control via IR, front panel, RS-232, IP Telnet or WebUI
- Mirrored HDMI outputs for connection to additional displays or local HDMI devices such as AVR (depending on transmission card selected)
- PoH technology powers the receivers from the matrix
- Embedded WyreStorm WebUI enables simple source switching and installer set-up and configuration
- Bidirectional, wide range IR control of inputs/outputs
- Local RS-232 serial control with drivers for leading third party control systems available
- Additional infrared extension port for longer IR connections
- Remote control able to be learned into a universal remote handset to allow the control of multiple devices from one handset
- Supports Ethernet routing through matrix to any connected HDBaseT™ receivers at display zones location for network communication (on selected cards)
- EDID management via DIP switches to read and copy EDID from connected devices to aid communication and device compatibility
- QuickSync™ technology for near instant seamless I/O switching

Detailed features

- Up to 4K@60Hz 8bit 4:2:0 and 4K HDR @24Hz 10bit with chroma sub-sampling rate of 4:2:0 supported to 35m/115ft or 70m/230ft (depending on transmission card selected)
- Latest HDCP 2.2 encryption technology supported
- Multichannel audio up to 7.1 including DTS:X and Dolby Atmos
- HDMI Inputs and Outputs support bandwidths of 18Gb/s
- S/PDIF audio breakout for ARC zones, with additional ARC zones possible by combining with an ARC compatible extender via a mirrored HDMI output (depending on transmission card selected)

In the Box

- 1x MX-0606-HDBT-H2 Matrix Switcher
- 1x IR Remote Handset
- 1x IR Receiver (38Khz)
- 6x Wide-band IR Receivers (30-50KHz)
- 6x IR Emitters
- 1x USB to DB9 RS-232 Cable

- 1x 100~240V AC 50/60Hz Power Cord with US Plug
- 1x 100~240V AC 50/60Hz Power Cord with UK Plug
- 1x 100~240V AC 50/60Hz Power Cord with EU Plug
- 2x Mounting Brackets
- 1x Quickstart Guide

Specifications

Audio and Video		
Inputs	Up to 6x HDMI In: 19-pin type A	
Outputs	All cards: Up to 6x HDBaseT 8-pin RJ-45 female Plus Up to 6x of the following card dependent connections: TX-H2-MIR: HDMI 19-pin type A female TX-H2-ARC: Audio Out Digital coaxial S/PDIF TX-H2-AUD: Audio Out 3pin Phoenix Connector	
Output Video Encoding	TX-H2-MIR/ARC/AUD: HDBaseT Class A TX-H2-CLB: HDBaseT Class B	
Encoding Data Rate	9.2Gbps	
End to End Latency	<1 frame 10µs (micro seconds)	
Audio Formats	All Cards HDMI/HDBaseT: 2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos TX-H2-AUD adds 2ch Analog Output TX-H2-ARC S/PDIF: 2ch PCM Multichannel: Up to 5.1 DTS and Dolby Digital	
Video Resolutions (Max)	All Cards HDMI 1920x1080p @60Hz 12bit (15m/50ft) @60Hz 16bit (7m/23ft) 3840x2160p @30Hz 4:4:4 8bit (7m/23ft) @24Hz 4:2:0 HDR 10bit (3m/9.8ft) 4096x2160p @60Hz 4:2:0 8bit (7m/23ft) @60Hz 4:4:4 8bit (7m/23ft)	
	TX-H2-MIR/ARC/AUD	TX-H2-CLB
	Cat6 1920x1080p @60Hz 12bit (100m/328ft) 1920x1080p @60Hz 16bit (70m/230ft) 3840x2160p @30Hz 4:4:4 8bit (70m/230ft) 3840x2160p @24Hz 4:2:0 HDR 10bit (70m/230ft) 4096x2160p @60Hz 4:2:0 8bit (70m/230ft)	Cat6 1920x1080p @60Hz 12bit (70m/230ft) 1920x1080p @60Hz 16bit (35m/115ft) 3840x2160p @30Hz 4:4:4 8bit (35m/115ft) 3840x2160p @24Hz 4:2:0 HDR 10bit (35m/115ft) 4096x2160p @60Hz 4:2:0 8bit (35m/115ft)
	Cat6a/7 1920x1080p @60Hz 12bit (100m/328ft) 3840x2160p @30Hz 4:4:4 8bit (100m/328ft) 3840x2160p @24Hz 4:2:0 HDR 10bit (100m/328ft) 4096x2160p @60Hz 4:2:0 8bit (100m/328ft)	Cat6a/7 1920x1080p @60Hz 12bit (70m/230ft) 1920x1080p @60Hz 16bit (70m/230ft) 3840x2160p @30Hz 4:4:4 8bit (70m/230ft) 3840x2160p @24Hz 4:2:0 HDR 10bit (70m/230ft) 4096x2160p @60Hz 4:2:0 8bit (70m/230ft)
Color Depth	1080p: 16bit 4K UHD: 8bit HDR @24p: 10bit BT.2020	
Maximum Pixel Clock	HDMI: 600mHz HDBaseT: 297MHz	
Communication and Control		
HDMI	HDMI HDCP 2.2 EDID DVI-D supported with adapter (not included)	
HDBaseT	HDMI HDCP 2.2 1-way PoH to Receiver IR RX to Zone Ethernet to Zone from Chassis (Except CLB) TX-H2-ARC adds ARC (Audio Return Channel) from Zone	
Ethernet	1x 8-pin RJ-45 female 10/100 Mbps auto-negotiating Web UI IP Control Bidirectional over HDBaseT except when using TX-H2-CLB	
IR	1x IR Ext - 3.5mm (1/8in) TRS Stereo Matrix Control 6x IR TX - 3.5mm (1/8in) TS Mono Up to 6x IR RX - 3.5mm (1/8in) TRS Stereo Transmits over HDBaseT to receiver	
RS-232	1x RS-232: 9-pin DB9 Female Matrix Control Firmware Updates	
Audio Return Channel (ARC)	Up to 6x using TX-H2-ARC only Returns audio to source location from remote display via HDBaseT	
Power		
Power Supply	Input: 100~240V AC 50/60Hz	
PoH	48V 15.4W (each HDBT output)	
Max Power Consumption	120W	
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	409.4 BTU/hr	
Dimensions and Weight		
Rack Units Wall Box	2U	
Height	87.7mm/3.46in	
Width	438mm/17.25in	
Depth	396mm/15.6in	
Weight	8.48kg/18.66lbs	
Regulatory		
Safety and Emission	CE FCC RoHS	

Right Product for the Right Application.

