

WyreStorm MX-1616-SCL: Advanced 16x16 Modular Seamless Scaling Matrix Chassis with HDMI & HDBT Transmission Cards

MX-1616-SCL

WyreStorm[®] Specification Sheet



4K HDR 2160p 4:4:4 60 HDMI[®] HDCP 2.2

WyreStorm - Powerful. Reliable. Simple.

Introduction

Discover the MX-1616-SCL, a versatile 16x16 HDMI/HDBaseT Matrix Switcher designed to streamline audio and video distribution in commercial, educational, and entertainment settings. Offering seamless switching and scaling of up to 4K60 4:4:4 video with minimal latency, this device ensures that your content is always displayed at its best, while adhering to the latest HDMI 2.0 and HDCP 2.2 standards.

Key Features

- Features integrated 4K60 scaler on each HDMI output for versatile display compatibility.
- Enables fast, seamless switching across all inputs and outputs without a black screen.
- Supports both HDMI and HDBT for long distance transmission.
- Includes balanced Audio De-embed of all inputs.
- Independent Audio Switching
- RS232 Routing

In the Box

- 1x Matrix
- 1x AC Power Cord with US/UK/EU/AU Pins
- 1x IR Remote without battery inside
- 1x IR Extension Cable
- 1x USB-A to DB9 Cable
- 2x Mounting Brackets (with Screws)
- 1x Quick Start Guide

Specifications

Audio and Video	
	Dependent on Cards implemented: 16 Cards :
Inputs	TX-SCL-HDBT 1x HDMI IN TX-SCL-HDMI 1x HDMI IN
Outputs	TX-SCL-HDBT 1x HDBT Out (Supports 15W POH power supply) 1x 5 Pin Balanced Audio Output TX-SCL-HDMI 1x HDMI Out 1x 5 Pin Balanced Audio Output
Output Video Encoding	HDBaseT, Uncompressed HDMI
Encoding Data Rate	HDBaseT 10.2Gbps HDMI 18Gbps
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos
Video Resolutions (Max)	1920x1080p @60Hz 16bit 7m/23ft 3840x2160p @60Hz 10bit 4:2:2 HDR10/10+ 5m/16ft 3840x2160p @60Hz 12bit 4:2:0 Dolby Vision 5m/16ft 3840x2160p @50Hz 10bit 4:2:2 HLG 5m/16ft 4096x2160p @60Hz 8bit 4:4:4 5m/16ft
Supported Standards	DCI (4096x2160) RGB HDR HDR10 Dolby Vision HLG BT.2020 HDBT
Maximum Pixel Clock	600MHz
Communication and Control	
HDMI	HDMI 2.0 HDCP 2.2 EDID CEC
HDBaseT	HDMI 1.4 HDCP 2.2 EDID CEC RS-232 1-way PoH
RS-232	1x RS-232: DB9 Matrix Control Routable RS-232 Device Control Telnet commands supported
Ethernet	1x LAN: 8-pin RJ-45 Female Web UI Matrix Control and Ethernet
Power	
Power Supply	100V-240V AC 50/60Hz
Max Power Consumption	450W
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
Dimensions and Weight	
Rack Units/Wall Box	4U
Height	177.8mm/7in
Width	482.6mm/19in
Depth	382.7mm/15in
Weight	Approx. 13.5kg/29.76lbs (Dependent on transmission cards used)
Regulatory	
Safety and Emission	CE FCC RoHS RCM EAC UKCA