

# 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

<b>Audio and Video</b>	
<b>Inputs</b>	Dependent on Cards implemented: 16 Cards : <b>TX-HDBT-SCL</b> 1x HDMI IN <b>TX-HDMI-SCL</b> 1x HDMI IN
<b>Outputs</b>	<b>TX-HDBT-SCL</b> 1x HDBT Out 1x 5 Pin Balanced Audio Output <b>TX-HDMI-SCL</b> 1x HDMI Out 1x 5 Pin Balanced Audio Output
<b>Output Video Encoding</b>	HDBaseT, Uncompressed HDMI
<b>Encoding Data Rate</b>	<b>HDBaseT</b> 10.2Gbps <b>HDMI</b> 18Gbps
<b>Audio Formats</b>	2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos
<b>Video Resolutions (Max)</b>	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
<b>Supported Standards</b>	DCI (4096x2160)   RGB   HDR   HDR10   Dolby Vision   HLG   BT.2020   HDBT
<b>Maximum Pixel Clock</b>	600MHz
<b>Communication and Control</b>	
<b>HDMI</b>	HDMI 2.0   HDCP 2.2   EDID   CEC
<b>HDBaseT</b>	HDMI 1.4   HDCP 2.2   EDID   CEC   RS-232   1-way PoH
<b>RS-232</b>	1x RS-232: DB9   Matrix Control Routable RS-232 Device Control   Telnet commands supported
<b>Ethernet</b>	1x LAN: 8-pin RJ-45 Female   Web UI   Matrix Control and Ethernet
<b>Power</b>	
<b>Power Supply</b>	100V-240V AC 50/60Hz
<b>Max Power Consumption</b>	190W
<b>Environmental</b>	
<b>Operating Temperature</b>	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
<b>Storage Temperature</b>	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
<b>Dimensions and Weight</b>	
<b>Rack Units/Wall Box</b>	4U
<b>Height</b>	177.8mm/7in
<b>Width</b>	482.6mm/19in
<b>Depth</b>	382.7mm/15in
<b>Weight</b>	Approx. 13.5kg/29.76lbs (Dependent on transmission cards used)
<b>Regulatory</b>	
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC   UKCA