Because the H2X platform packs such a big punch with its standalone version, it wouldn’t be sensible to not offer a modular version. Much like the 2K 16x16 modular matrix, WyreStorm takes custom AV distribution and control to new heights with the H2XC platform. Giving integrators the utmost in switching and flexibility; for large projects that demand the latest in 4K HDR technology, while giving the integrator the freedom to choose exactly what goes into its chassis, making a perfect fit for the install. Fully utilizing the matrix, not your wallet.

**In the Box**

- 1x MX-1010-H2XC or MX-1616-H2XC
- 1x Handheld IR Remote
- 10/16x IR emitters
- 10/16x IR Broadband Receiver (30KHz to 50KHz)
- 1x IR Receiver (38Khz)
- 10/16x 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

**Key Features**

**4K HDR with Extensive Audio Options**

**TX-H2X-HDMI**
- 2160p 4:2:0 8-bit 60Hz to 70m/230ft
- HDBaseT transmission

**Decentralize Your Sources**

**TX-H2X-HDBT**
- 2160p 4:2:0 8-bit 60Hz to 70m/230ft
- HDBaseT transmission
- Class A HDBaseT Input for decentralised sources

**Visually Lossless 4K/60 4:4:4 Over HDBT**

**TX-H2X-VLC**
- 2160p 4:4:4 or RGB 60Hz to 70m/230ft
- HDBaseT transmission with ARC from all zones

**4K/60 4:4:4 Goes Further with Fiber**

**TX-H2X-OM3**
- 2160p 4:4:4 or RGB 60Hz to 300m/984ft
- Transmission over duplex OM3 Multimode fibre
- 18Gbps HDMI Mirrored Output

**Note:** Image shows TX-H2X-HDMI. For information on all other cards, please visit wyrestorm.com

**WyreStorm - Because the Technology Matters.**

**Introduction**

Because the H2X platform packs such a big punch with its standalone version, it wouldn’t be sensible to not offer a modular version. Much like the 2K 16x16 modular matrix, WyreStorm takes custom AV distribution and control to new heights with the H2XC platform. Giving integrators the utmost in switching and flexibility; for large projects that demand the latest in 4K HDR technology, while giving the integrator the freedom to choose exactly what goes into its chassis, making a perfect fit for the install. Fully utilizing the matrix, not your wallet.
**Specifications**

### Audio and Video

**Inputs**
- Up to 16x HDMI In19-pin type A
- Up to 16x HDBaseT In 8-pin RJ-45 female
- Up to 16x S/PDIF In Coaxial Digital

**Outputs**
- Up to 16x HDBaseT Out 8-pin RJ-45 female
- Up to 16x HDMI Out 19-pin type A (Mirrors HDBaseT)
- Up to 16x Optical Out: SFP+
- Up to 16x S/PDIF Out Coaxial Digital
- Up to 16x Audio Out 3pin Phoenix Connector

**Output Video Encoding**
HDBaseT Class A (OM3) via SFP+

**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)

<table>
<thead>
<tr>
<th>Resolution</th>
<th>HDMI</th>
<th>Cat6</th>
<th>Cat6a/7</th>
<th>MM OM3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080p @60Hz 12bit</td>
<td>15m/49ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>1920x1080p @60Hz 16bit</td>
<td>7m/23ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>3840x2160p @24Hz 10bit 4:2:0 HDR</td>
<td>3m/10ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>3840x2160p @30Hz 8bit 4:4:4</td>
<td>7m/23ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>3840x2160p @60Hz 10bit 4:2:0 HDR</td>
<td>3m/10ft</td>
<td>NA</td>
<td>NA</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>4096x2160p @60Hz 8bit 4:2:0</td>
<td>7m/23ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
<td>300m/984ft</td>
</tr>
<tr>
<td>4096x2160p @60Hz 8bit 4:4:4</td>
<td>7m/23ft</td>
<td>NA</td>
<td>NA</td>
<td>300m/984ft</td>
</tr>
</tbody>
</table>

**Long Cable Mode Forced Resolution:** 1920x1080p @60Hz 12bit

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Max Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>150m/492ft</td>
<td>Default Configuration: 200W</td>
</tr>
<tr>
<td>NA</td>
<td>Note: Power Consumption increases by +11W for each optional TX-H2X-HDBT card installed.</td>
</tr>
<tr>
<td>140m/460ft</td>
<td>Max of 6 TX-H2X-HDBT cards can be used within a single matrix when using PoH.</td>
</tr>
</tbody>
</table>

**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 | DVI/D supported with adapter (not included)

**HDBaseT**
- HDMI | HDCP 2.2 | EDID | ARC | 1-way PoH to Receiver | Bidirectional IR and Ethernet

**Ethernet**
- 1x 8-pin RJ-45 female | Web UI | IP Control | Bidirectional over HDBaseT

**IR**
- 1x IR Ext - 3.5mm (1/8in) TRS Stereo | Matrix Control
- 10/16x IR RX - 3.5mm (1/8in) TRS Stereo | 10/16x IR TX - 3.5mm (1/8in) TS Mono
Transmits to 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 Outputs: 15.4W | All Outputs: 95W

**Max Power Consumption**
- Default Configuration: 200W
- 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**
- 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing

**Storage Temperature**
- -20 to +70°C (40 to + 158 °F), 10% to 90%, non-condensing

**Maximum BTU**
- 682 BTU/hr

**Dimensions and Weight**

<table>
<thead>
<tr>
<th>MX-1010-H2XC</th>
<th>MX-1616-H2XC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rack Units/Wall Box</td>
<td>4U</td>
</tr>
<tr>
<td>Height With</td>
<td>183.1mm/7.22in</td>
</tr>
<tr>
<td>Without Feet</td>
<td>183.1mm/7.22in</td>
</tr>
<tr>
<td>Width With</td>
<td>483mm/19.02in</td>
</tr>
<tr>
<td>Without Brackets</td>
<td>483mm/19.02in</td>
</tr>
<tr>
<td>Depth With</td>
<td>420.7mm/16.57in</td>
</tr>
<tr>
<td>Without Handles</td>
<td>420.7mm/16.57in</td>
</tr>
<tr>
<td>Weight</td>
<td>15.6kg/34.32lbs</td>
</tr>
</tbody>
</table>

**Regulatory**

**Safety and Emission**
- CE | FCC | RoHS
Right Product for the Right Application.

RX-70-4K
(Used for TX-H2X-HDMI and TX-H2X-HDBT Cards)

RXV-70-4K-ARC

RXF-300-4K

KEY
- HDMI
- HDBaseT
- Digital Audio
- Analog Audio
- Duplex OM3 Fiber

Blu-ray Player
Games Console
Satellite Box
Media Player

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MX-xxxx–H2XC Specification Sheet | 180810
3 of 3
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