6x6 HDBaseT™ Matrix Switcher with HDMI Mirror Outputs, Bidirectional IR, RS-232 and PoH (1080p: 70m/230ft)

MX-0606-PP-POH

**Introduction**

Looking to reliably distribute up to six HD sources to up to six HD display zones over distance with flexibility of control and installation? Look no further than the MX-0606-PP-POH for medium-sized residential or light commercial applications of any kind.

The MX-0606-PP-POH features rock solid HDBaseT™ Class B platform to support transmissions of 1080p@60Hz 36bit deep color video, multi-channel digital audio up to 7.1, 2-way IR control and RS-232 for serial control of display zones up to 70m/230ft.

**Key Features**

- Class B HDBaseT™ technology for one-cable transmissions of 36bit Deep Color Full 1080p HD video @60Hz, HD audio, bidirectional IR and serial control with low voltage Power-over-HDBaseT™ up to 70m/230ft.
- Featuring 6x TX-POH-010 HDBaseT™ Out, HDMI Out, HDMI In, IR In transmission cards
- Duplicate HDMI output to allow simultaneous connection of a second local ‘mirrored’ screen, AVR or extender product
- IR in allows control signals to be sent to the sink device
- RS-232 allows serial control of matrix
- PoH – power passed directly along Cat5e/6 cable up to 70m/230ft from the MX-0606-PP-POH matrix to all display receivers
- HDCP compliant
- Each output can be cascaded up to 7 times for even larger distributions spanning 42 displays covering a transmission distance of up to 2.9Km/1.8miles
- Reads and copies EDID from connected devices with additional EDID configuration through customizable DIP switch settings if necessary
- Fully compatible with all market leading third party control systems
- Wide range, two-way discrete IR control between source and display and vice versa (30 KHz to 56 KHz frequency)
- Simple switching remote control included
- Conforms to IEEE-568B standards

**In the Box**

1x MX-0606-PP-POH Matrix Switcher
1x IR Remote Handset
1x IR Receiver (CR2025 Battery not Included)
6x Wide-band IR Receivers (30-50KHz)

1x 100~240V AC 50/60Hz Power Cord (US | EU | UK)
2x Mounting Brackets
1x Quickstart Guide
## Specifications

### Audio and Video

**Inputs**
- 6x HDMI 19-pin type A

**Outputs**
- 6x HDMI 19-pin type A (Mirrors HDBaseT)
- 6x HDBaseT 8-pin RJ-45 female

**Audio Formats**
- 2ch PCM | Up to DTS-HD Master Audio and Dolby TrueHD

**Video Resolutions (Max)**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>HDMI</th>
<th>Cat6</th>
<th>Cat6a/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080p @60Hz 12bit</td>
<td>15m/49ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
</tr>
</tbody>
</table>

**Supporting Standards**
- DCI

**Maximum Pixel Clock**
- 225MHz

### Communication and Control

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

**HDBaseT**
- EDID | 1-way PoH | Bidirectional IR and RS-232

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

**IR**
- 1x IR Ext - 3.5mm (1/8in) Stereo | Matrix Control
- 6x IR TX - 3.5mm (1/8in) Mono | Bidirectional over HDBaseT
- 6x IR RX - 3.5mm (1/8in) Stereo | Bidirectional over HDBaseT

**RS-232**
- Matrix Control | Bidirectional over HDBaseT | Firmware Updates

### Power

**Power Supply**
- Input: 100~240V AC 50/60Hz

**PoH**
- 48V 15.4W (each HDBT output)

**Max Power Consumption**
- 125W

### Environmental

**Operating Temperature**
- 0 ~ +45°C (32 ~ +113 °F) | 10% ~ 90% non-condensing

**Storage Temperature**
- -20 ~ +70°C (-4 ~ +158 °F) | 10% ~ 90% non-condensing

**Maximum BTU**
- 426.5 BTU/hr

### Dimensions and Weight

**Rack Units/Wall Box**
- 2U

**Height With | Without Feet**
- 95.5mm/3.76in | 87.7mm/3.46in

**Width With | Without Brackets**
- 481mm/18.94in | 438mm/17.25in

**Depth With | Without Handles**
- 373.8mm/14.72in | 347.8mm/13.7in

**Weight**
- 6.7kg/14.74lbs

### Regulatory

**Safety and Emission**
- CE | FCC | RoHS

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Right Product for the Right Application.

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MX-0606-PP-POH Specification Sheet | 191023

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