## Overview

MultiTaction Hydra is the official appliance for MultiTaction interactive display solutions. It is a powerful, professional, server-class appliance that is specifically designed to easily drive an array of 1 to 16 Full HD MultiTaction displays or third-party displays* as a single, fluid display at native resolution, even under the most demanding circumstances.

Custom systems can drive up to 48 MultiTaction displays. MultiTaction Hydra is officially certified for running MultiTaction Canvus and MultiTaction Showcase.

MultiTaction Hydra Appliances can be installed either as a tower, or mounted into a rack, depending on the model.

In the most powerful configuration, 8 core Xeon CPUs and multiple Nvidia professional graphics processors deliver incredible performance, image quality and reliability.

All MultiTaction Hydra Appliances are supplied with three-year limited warranty.

## Benefits

MultiTaction Hydra appliances use professional grade components hand-picked and tested by our engineers. The configuration is carefully designed to make sure everything goes together perfectly, and you get the best performance on your system.

### Performance

We use performance server hardware for our systems suitability for continuous operation.

### High resolution

All Hydra system display outputs are capable of high resolutions, with custom systems supplying up to 48x Full HD capability.

## Small form factor

If you are running less than 2 displays or prefer a small form factor appliance, you can consider using Hydra 2 Appliance (MTPC-H02-N). Please refer to the specification sheet.

### Quiet

All standard Hydra appliances use whisper quiet fans to minimize sound disturbance

### Economy

We use top of the line economy server hardware in our systems, for the cost-conscious client.

## Models

We supply various MultiTaction Hydra models, so no matter the size and shape of your MultiTaction interactive solution, you'll be certain to find an option that is fit for your purpose.

### MTPC-H04-E

This model is silent, affordable and still powerful enough to drive up to a 4-display wall. Ideal for smaller installations where the computer is installed next to the displays or built-in into an interactive table.

### MTPC-H04N/H08-N/12N/16N

These models are silent and can drive up to 16 displays. The components used in these machines have been chosen to perform with your most demanding applications

### MTPC-H02-N

This model can drive up to 2 displays. Ideal for interactive table or to drive third-party touchscreens. High performance in a small form factor tested and certified in our platform.

*Subject to testing and approval*

www.multitaction.com

# MultiTaction® Hydra Appliance Specifications
## Performance Hydra 4, 8, 12, 16 and Economy Hydra 4 Appliance

## Hydra Appliance Technical specifications

| | MTPC-H04-N | MTPC-H08-N | MTPC-H12-N | MTPC-H16-N | MTPC-H04-E |
|---|---|---|---|---|---|
| CPU | Intel Xeon W-3223 | | | | Intel Xeon E5-2224 |
| Cores/Threads | 8/16 | | | | 4/4 |
| Clock speed | 3500 MHz | | | | 3400 MHz |
| CPU cache | 16.5MB | | | | 8MB |
| Memory | 48 GB RAM | | | | 16 GB RAM |
| Disk space | 480 GB SSD | | | | 480 GB SSD |
| Graphics (GPU) | 1x Nvidia Quadro RTX4000 | 2x Nvidia Quadro RTX4000 | 3x Nvidia Quadro RTX4000 | 4x Nvidia Quadro RTX4000 | 1x Nvidia Quadro RTX4000 |
| Audio | Stereo audio | | | | Stereo audio |
| Display connector | DisplayPort 1.4, VirtualLink | | | | DisplayPort 1.4, VirtualLink |
| Max number of displays | 4 | 8 | 12 | 16 | 4 |
| Max display resolution | 8.3 megapixels (4x HD displays) | 16.5 megapixels (8x HD displays) | 24.9 megapixels (12x HD displays) | 33.1 megapixels (16x HD displays) | 8.3 megapixels (4x HD displays) |
| Sync module | - | optional | optional | optional | - |
| PSU | 1000W, 80 Plus Platinum efficiency Level | | | | 500W, 80 Plus Bronze efficiency level |
| Form factor | Tower/4U | | | | Mid-tower |
| Case size (H x W x D) | 17.8 x 7 x 25.5 inch 452 x 178 x 647 mm | | | | 16.7 x 7.6 x 20.7 inch 424 x 193 x 525 mm |
| Weight | 53 lbs / 24 kg | | | | 28 lbs / 13 kg |
| Mountable | Rack | | | | Shelf |
| Software | MultiTaction Canvus & Showcase available separately | | | | |
| Operating system | Windows 10 or Linux Ubuntu 18.04 LTS | | | | |
| Video capture* (optional) | Maximum 2 Magewell Pro video capture cards (4 HDMI inputs) resulting in maximum 8 HDMI inputs | | | | |
| Multi-channel audio (optional) | External/Internal multi-channel audio kit | | | | External multi-channel audio kit |

*You must purchase a video capture card separately if you want to use MultiTaction Canvus features such as Screen Sharing, Remote Touch, or features provided through an auxiliary computer. The capture card processes video input into the Hydra appliances from external devices or computers.