MultiTaction® Hydra Server Specifications

MTPCH4S, MTPCH6S, MTPCH12, MTPCHcustom

Overview

MultiTaction Hydra is the official computer platform for MultiTaction interactive display solutions. It is a powerful, professional, server-class device that is specifically designed to easily drive an array of 1 to 24 Full HD MultiTaction Cells as a single, fluid display at native resolution, even under the most demanding circumstances. MultiTaction Hydra is officially certified for running Cornerstone applications, delivering top performance for all your rich interactive applications.

MultiTaction Hydra PCs can be installed either as a tower, or mounted in a rack, depending on the model. In the most powerful configuration, redundant power supplies, 6 core Xeon CPUs and multiple AMD FirePro W9100 professional graphics processors deliver incredible performance and reliability.

All MultiTaction Hydra PCs are supplied with one year limited warranty and can be covered in MultiTaction Support Service Program.

Benefits

MultiTaction Hydra servers use professional grade components hand-picked and tested by our MultiTaction technicians. The ensemble is carefully designed to make sure everything goes together perfectly and you get the most out of your system.

Standard hardware

We use standard PC hardware for our systems, making it easy to upgrade or repair if necessary.

High resolution

All Hydra system display outputs are capable of high resolutions, with up to 24 x full-HD capability.

Redundancy

MTPCH12 and MTPCHcustom models come with redundant power supplies to maximize reliability.

Performance

Hydra machines are powered by Intel Xeon CPUs, giving you amazing performance for all your applications.

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.

MTPCH4S/6S

These models are silent, affordable and still powerful enough to drive up to 4 or 6 MultiTaction displays. Ideal for smaller installations where the computer is installed next to the displays, or build-in into an interactive table.

MTPCH12

This model can drive up to 12 MultiTaction displays. With their high-end graphics cards and redundant power supplies, these machines are ready for your most demanding applications.

MTPCHcustom

Upon request, we can build custom systems that drive up to 24 displays. These systems are built around the same foundation as the MTPCH12 computers, offering high-end server features. The components are selected based on the specific use case and its special needs.

MultiTaction® Hydra Server Specifications

MTPCH4S, MTPCH6S, MTPCH12, MTPCHcustom

Technical Specifications

	MTPCH4S	MTPCH6S	MTPCH12
CPU	Intel Xeon E5-1650v3	Intel Xeon E5-1650v3	Intel Xeon E5-1650v3
Cores/Threads	6/12	6/12	6/12
Clock Frequency	3500 Mhz	3500 Mhz	3500 Mhz
CPU Cache	15 MB	15 MB	15 MB
Memory	16 GB 72-bit RAM (Registered ECC DDR4) SDRAM DIMM 2133 MHz	16 GB 72-bit RAM (Registered ECC DDR4) SDRAM DIMM 2133 MHz	32 GB 72-bit RAM (Registered ECC DDR4) SDRAM DIMM 2133 MHz
Storage	480 GB SSD	480 GB SSD	480GB SSD
Graphics Adapter (GPU)	AMD FirePro™ W7100	AMD FirePro™ W9100	2x AMD FirePro™ W9100
Audio	7.1 channel audio controller	7.1 channel audio controller	7.1 channel audio controller
Display Connector	DisplayPort 1.2	Mini-DisplayPort 1.2	Mini-DisplayPort 1.2
Max # of Displays	4	6	12
Max Supported Resolution	8.3 MPixels / 4 x Full HD	12.4 MPixels / 6 x Full HD	24.9 MPixels / 12 x Full HD
Graphics API	OpenGL 4.2 / DirectX11.1	OpenGL 4.2 / DirectX11.1	OpenGL 4.2 / DirectX11.1
Sync Module	-	-	Included
Power Supply	500 W, 80+ Bronze Level	500 W, 80+ Bronze Level	1280 W Redundant, Platinum Level
Form Factor	Mid-tower	Mid-tower	Tower
Dimensions	16.7" (H) x 7.6" (W) x 20.68" (D) 424 mm (H) x 193 mm (W) x 525.3 mm (D)	16.7" (H) x 7.6" (W) x 20.68" (D) 424mm (H) x 193mm (W) x 525.3mm (D)	17.8" (H) x 7.0" (W) x 28.5" (D) 452 mm (H) x 178 mm (W) x 648 mm (D)
Weight	44 lbs (20 kg)	44 lbs (20 kg)	60 lbs (27 kg)
Rack Mountable	No	No	Rack mountable tower (19 inch, 4U)
Software	Cornerstone Runtime & SDK, MultiTaction Experience	Cornerstone Runtime & SDK, MultiTaction Experience	Cornerstone Runtime & SDK, MultiTaction Experience
Operating System	Windows or Linux *	Windows or Linux *	Windows or Linux *

* Windows 8.1 Professional 64-bit or Ubuntu Linux pre-installed