

Rave Ignition™ Premium

RT-1366-G Series

Personal Supercomputing Workstation



ideal for

fluid dynamics simulation, seismic analysis, image and video processing, computational biology and chemistry, CT image reconstruction, ray tracing and more.



Superior Performance for Maximum Results

With the **Rave Ignition Premium G-series workstation**, users can now solve large-scale problems faster than a small server cluster with a single workstation. Rave's Tesla solutions allow you to experience a level of performance that was previously only available in computer clusters. The **Ignition Premium G-Series workstation** delivers performance up to 125 times faster than a standard workstation. Using its 896 cores, the **Ignition Premium G-series workstation** delivers over 2 Teraflops of single precision performance. This revolutionary amount of processing power unlocks new possibilities in science and engineering. Simulations that once took several days to complete can now be done in a matter of minutes on the **Rave Ignition Premium G-series workstation**.

Technology

Supports all NVIDIA C Series TESLA GPU Computing Modules

Latest 4-core and 6-core processor technology from Intel - Can process up to 12 threads per clock cycle

Custom thermally controlled cooling system ensures the best possible air flow through the system helping to preserve the life of the components

The **Rave Ignition Premium** incorporates an 85% efficient power supply which helps reduce power consumption without sacrificing performance

Ultra quiet operation

Configure it your way

The **Rave Ignition Premium** is pre-configured and designed to run CAD/CAM/CAE applications at optimum efficiency. However, if you have specific requirements, we are happy to build systems to your specifications. Rave offers alternative choices for processors and a wide variety of options for memory, storage and graphics.

Built to last

At Rave, we are committed to providing engineering workstations built with world-class quality. All **Rave Ignition** workstations go through a rigorous quality inspection process and are fully tested with an overnight burn-in. The **Rave Ignition Premium** offers outstanding reliability and a 3 year warranty.



Integrated Solutions from **Design to Delivery**

Rave Ignition™ Premium

RT-1366-G Series

Personal Supercomputing



Features

- Supports Intel® Core™ i7 and Core i7 Extreme LGA1366 CPU's with up to 12MB of cache
- Up to 24GB Triple Channel DDR3
- USB 3.0 and SATA 6.0Gb/s Support
- Supports up to 2 Tesla C-Series Modules
- Intel Turbo Boost™ Technology
- Intel HyperThreading™ Technology
- Supports the Latest Solid State Disk Technology
- High Efficiency 80 PLUS Silver Power Supply
- Low-Noise Cooling System
- Supports over 12TB of Storage



Product Specifications	
Operating System	Supports Microsoft Windows® Operating Systems (64-bit recommended)
Processor	Supports Intel Socket 1366 Processors (Core™ i7)
Chipset	Intel X58 Chipset + ICH10R Nvidia® nForce200
System Memory	(6) DIMM Triple-Channel DDR3 1600MHz+ slots supporting up to 24GB
Graphics	Supports NVIDIA Quadro™ and NVIDIA Tesla™ Series GPUs
Drive Controllers	6x SATA 3Gb/s ports, Intel® Matrix Storage supporting SATA RAID 0,1,10, and 5 Marvell 88SE6320 SAS Controller, (2) SAS ports supporting SAS RAID 0,1 Marvell 88SE6121 SATA Controller, (2) External SATA 150/300, supporting SATA RAID 0,1
Storage	(9) 5.25" External Drive Bays with (9) 3.5" to 5.25" Bay Adapters
Optical Drive	Supports BD/BD-R/BD-RE/DVD/DVD-RW/CD/CD-RW
Audio	ADI 2000B 8-Channel High Definition Audio Codec; 8 Channels, (4) Stereo Outputs, (2) Analog Inputs, (1) Optical Output, (1) Coaxial Output
Expansion Slots	(6) PCI-E 2.0 x16 slots. * True @ x16 3-Way SLI™ in slots 1, 3 and 5 when slots 2 and 4 are not occupied
Front Panel I/O	(1) eSATA, (3) USB 2.0, Audio In/Out
Cooling System	(1) 140mm Front Intake Fan, (1) 140mm Top Exhaust Fan, (1) 120mm Rear Exhaust Fan
Rear Panel I/O	(2) PS/2, (2) eSATA, (1) S/PDIF Out (Coaxial + Optical), (2) LAN (RJ45) Ports, (6) USB 2.0, (4) Stereo Outputs, (2) Analog Inputs
Ethernet	10/100/1000Mbps
Power Supply	1000W 80 PLUS Silver certified High Efficiency Power Supply w/ 135mm silent fan
Dimensions	549 (H) x 210 (W) x 510 (D) mm
Environment	Minimum Operating Temperature: 10 °C Maximum Operating Temperature: 35 °C Maximum Operating Humidity: 8-90% (non-condensing)
Warranty	3 years parts and labor

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