

Esteem SG1204

POWERED BY HOWARD INNOVATION



Intel® Xeon/Nvidia GPU—Massive Processing Capability

When it comes to business, lower costs, greater efficiency, and increased capacities help to maximize your bottom line. Howard's Esteem SG1204 Xeon/Nvidia GPU server solution offers that and more. Designed for density, this 1U rackmount server is bursting with capacity, able to handle the heaviest workloads, like scientific research, 3D processing, engineering, and big data analysis—computationally intensive tasks that require massive processing capability. And that's not all. The Esteem SG1204 has the raw power and core technology necessary to process image, voice and other cognitive workloads. Its optimized thermal design ensures better cooling performance and less power consumption. The SG1204 is packed with features that make it highly scalable, such as two Xeon processor slots, 3TB of memory, redundant 2000W power supplies, and two 10GB Ethernet ports. It supports up to 4 Nvidia GPU cards for high-performance computing (HPC), Machine and Deeper Learning, and NVMe for even faster transfer speeds. The SG1204 is ideal for a virtual desktop environment* (VDI), simplifying management, enhancing security, and increasing productivity.

*Specific or additional components are required for a complete VDI solution

Howard servers are good for business!

FEATURES AND SPECIFICATIONS

Chipset

Intel® C621

Supported Operating Systems

Windows 2019, Windows 2016, Ubuntu 18.04 LTS, Red Hat 7.3

Supported Processor Families

Intel Xeon 1st and 2nd Generation Scalable Family

System Memory

Up to 3TB of DDR4 (12 Slots, DIMMs)

Video

VGA

Storage

(2) SATA/SAS3 2.5" hot-swap drive bays;
SATA RAID (0,1,5,10);
Optional SAS controller available;
Optional 2 X M.2 2280 NVMe card (Dual Processor only, RAID 0 or 1)

Network

(2) 10GB Ethernet (RJ45)

Internal Ports

(4) PCI Express 3.0 X 16 slots (FHFL)
(2) PCI Express 3.0 X16 slots (Standard Low Profile)

External Ports

(1) Video port=VGA
(2) USB 3.0 ports rear
(1) RJ45 Dedicated IPMI Lan port

Optional GPU Cards (Maximum of 4)

Nvidia Tesla V100 for PCIe (16GB or 32GB), Nvidia Tesla P40 (24GB)
Nvidia Quadro RTX6000 (24GB)
Nvidia Quadro RTX8000 (48GB)

Optional GPU Cards (Maximum of 2)

Nvidia M10 (32GB)

Chassis Technical Specifications

Dimensions

17.2" (W) X 1.7" (H) X 35.2" (D)

Weight

Approximately 58.1lbs

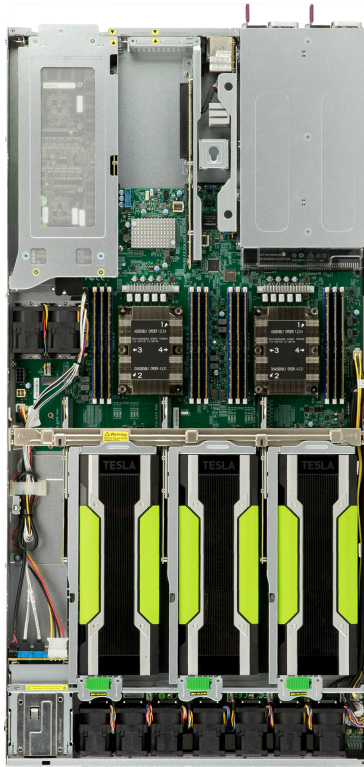
Drive Bays

(2) SATA/SAS3 2.5" hot-swap drive bays;

PSU 2000W redundant power supplies



1U Rack-mount- Rear View



SG1204 Top View

Warranty & Support

- Howard Technology Solutions' standard warranties apply.
- FREE customer and technical support to purchaser via telephone or web for the life of the system.
- Expedite your troubleshooting process by participating in our Howard Technical Partnership Program (HTPP) which certifies your staff to perform basic hardware service and support. Contact us today for more information.

Contact Howard Technology Solutions for world-class service and support:

Online: www.howardcomputers.com/support Phone: 1.888.323.3151

Email at tech@howardcomputers.com, or

Conventional mail: Howard Technology, 36 Howard Drive, Ellisville, Mississippi 39437