

Powerful, Greener Opteron™ Based Solutions

16-Core AMD Opteron™ 6200 Series CPUs: Designed from the Ground Up for HPC Applications

Up to 16 physical cores in each G34 socket

- Complete redesign: "Bulldozer" core architecture
- DDR3-1600 memory with 4 memory channels per CPU
- AMD Turbo Core™ Technology boosts clock speed

Navion QuadPuter®— 64 Cores in 1U or 64 Cores + 2 GPUs in 2U!

The Navion QuadPuter brings up to 64 cores and 512GB of DDR3 memory to compute-intensive SMP and MPI applications. QuadPuter is Microway's most cost-effective dense platform available.



WhisperStation™

Microway's ultra-quiet WhisperStation can be used as a standalone workstation or part of an inexpensive cluster. WhisperStation provides up to 32 x86 cores using AMD 6200 Series Opteron CPUs plus leading GPU computing and CAD performance with AMD FirePro and Radeon.



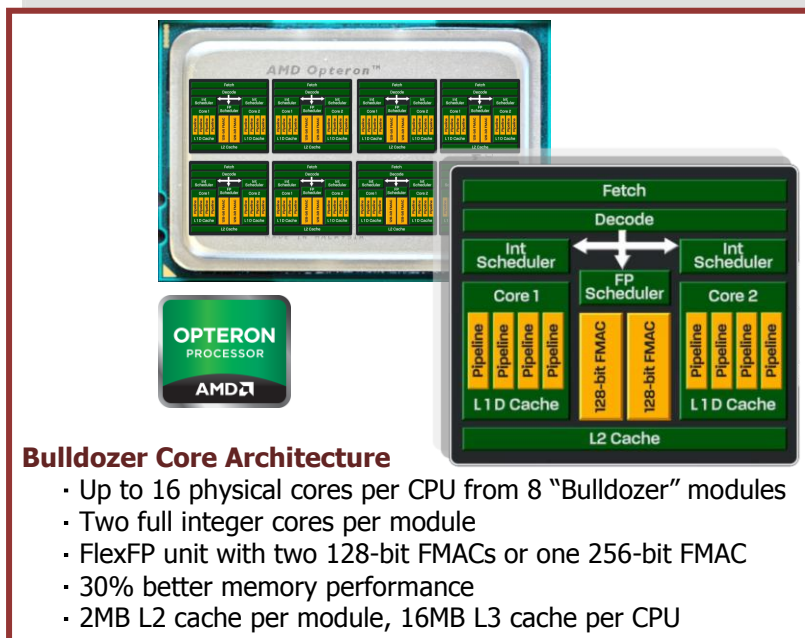
Custom Software Integration Specialists

- 64-bit Linux (SUSE, Red Hat, Gentoo, Debian and more)
- Microsoft Windows HPC Server 2008 R2
- Intel, Portland Group and GNU Compilers
- Microway Cluster Management Software (MCMSTM)
- Legendary Service and Technical Support

Call our technical sales team at 508-746-7341



Schedule Number:
GS-35F-0431N



Navion Twin² — 128 Cores in 2U

This elegant platform includes four compute nodes in 2U with hot-swap motherboard modules, hot-swap hard drives and optional redundant power supplies. A clean cableless design with high-efficiency cooling and 80 PLUS™ Gold power supplies makes the Twin² ideal for greener HPC.



Navion 1U GPU Servers

Microway's Navion- 1U GPU utilizes two AMD GPUs to achieve TFLOPS of performance in a smaller footprint. Microway fully integrates with the latest AMD 6200 Series Opterons, high speed DDR3-1600Mhz memory, and high bandwidth, low-latency InfiniBand.



Navion™ Scalable Opteron Clusters

Navion Clusters

Microway's Navion Clusters deliver supercomputing performance at a lower power, lower cost, and with better cooling than the competition. Customers with compute-intensive applications choose Navion for exceptional performance and power/space efficiency.

Users worldwide pushing the limits of technology in life sciences, universities, commercial and government research count on Microway's HPC expertise and attention to detail. Every Microway product includes lifetime telephone support by techs in the USA.

Delivering Innovative HPC Solutions Since 1982



	Navion Platform Options
Processor	AMD® Opteron™ 6200 Series 16, 12, and 8-Core Processors
Processor Sockets	2P, 4P
Compute Nodes	1U, 2U, 3U, 4U, 2U Twin² options
GPU Acceleration Options	AMD FirePro V8800/V9800 or NVIDIA Tesla GPUs
Visualization Node Option	Navion 1U, 2U, 4U GPU Compute Nodes
Memory per Node	2P: up to 384 GB DDR3 1600Mhz 4P: 512 GB DDR3 1600Mhz
Disk/Media Bays	1U: 4x3.5" or 8x2.5" Hard Drives 2U Twin²: 3x3.5" Hard Drives or 6x2.5" Hard Drives Diskless compute node configurations available
Cluster Interconnect	Mellanox ConnectX-3 FDR and QDR, Microway FasTree™ QDR InfiniBand 10G or Gigabit Ethernet
Management Network	IPMI v 2.0
Storage Options	Gigabit Ethernet, InfiniBand and Fibre Channel Storage NAS or Clustered Storage
Operating Systems	64-bit Linux: SUSE, Red Hat, Debian, Gentoo, and more; Microsoft Windows HPC Server 2008 R2
Compilers	Intel, PGI and GNU; AMD Stream and OpenCL SDK
Cluster Software	MVAPICH, MPICH2, OFED, and OpenMPI; Torque, Maui, and Moab
Monitoring and Management Software	Microway Cluster Management Software, MPI Link-Checker and InfiniScope Bright Cluster Manager Standard or Advanced Edition
Cabinets and Infrastructure	APC NetShelter™ Cabinets, APC PDUs and UPS Devices
Services	On-site installation, Factory Pre-Installation Service (Pre-wiring, rails)
Hardware Warranty	2 years with advanced replacement parts or return-to-factory