



Leading global provider of
turnkey cluster solutions.

INTEGRATION

Nor-Tech is a leading global HPC system integrator that provides turnkey solutions. Our partnerships with an array of software companies allow us to integrate and have access to support throughout the integration and deployment process.

WHAT SETS US APART

- We guarantee no wait-time support.
- We use premium components.
- Clusters are fully configured and ready to deploy.
- Clients get a set of custom references including manuals, topology guide, and Visio drawing.
- We label all cables with ID tags on both ends.
- We provide a customized bare metal cluster recovery disk.
- Clusters ship with Storage Guard and ambient temperature monitoring
- Systems are built by us in Minnesota and supported by us around the world.

QUALITY COMPONENTS



Entry Level Cluster I707

Nor-Tech brings HPC clusters within the reach of most businesses and research organizations. In addition to being affordable, our entry level clusters are made with the highest quality components and are available with open source platforms.

This is a highly scalable, cost-effective way for organizations to gain competitive advantage with HPC.

Nor-Tech's entry level clusters are designed for organizations or individuals that need more computing power than is available in a standard workstation. These clusters make a lot more sense from a performance, financial and space perspective than continually adding more workstations.

Clusters are housed in a secure, lightweight cabinet that rolls easily from room to room. The cabinets feature gridded ventilation for maximum airflow and quick-release side panels and doors allow for convenient maintenance.

BENEFITS

- Faster time to productivity
- Quick return on investment
- Greater ROI due to intelligent resource and job scheduling
- Minimizes internal impact
- Eliminates integration complexity

FEATURES

- 48 Compute Cores
- 4TB of useable Storage
- Has wheels—can be used in an office, classroom, laboratory...
- Remote Testing Period
- Easy Bare Metal recovery
- Documentation
- Storage and environment monitoring

See Specs on Reverse

Starting at \$21,999

Phone: 877-808-1010
Fax: 952-229-2061

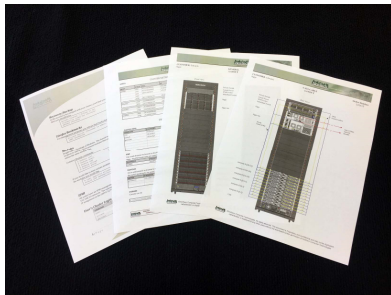
www.nor-tech.com
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INNOVATIVE SOLUTIONS



ATTENTION TO DETAIL



Entry Level Clusters are Just the Start

Nor-Tech offers a variety of HPC clusters, including

- Data center clusters
- GPU clusters
- Xeon Phi clusters
- Ruggedized clusters
- Ultra quiet clusters
- Portable clusters

Find out more at:

<http://www.nor-tech.com/solutions/hpc/>

www.nor-tech.com

Entry Level Cluster Specifications

HEAD NODE

COMPONENT	DETAILS
Processors	Intel XEON 8-Core 3106 1.7-GHz CPU with 11MB Cache
RAM	48GB 2133MHz DDR4-2133 ECC REG(6x8GB)
Storage	4TB SATA Useable Storage (RAID 5)
MPI Traffic	10GB Ethernet
Cluster Management	OpenHPC
Operating System	CentOS 7.x

3 COMPUTE NODES

COMPONENT	DETAILS
Processors	Dual Intel XEON 8-Core 4110 2.1-GHz CPU with 11MB Cache
RAM	96GB 2400MHz DDR4-2400 ECC REG(12x8GB)
Storage	1TB SATA Storage
MPI Traffic	10GB Ethernet
IPMI Network	IPMI 2.0 + KVM with dedicated LAN
Cluster Management	OpenHPC
Operating System	CentOS 7.x

CLUSTER COMPONENTS

Switch	12-Port 10GB Ethernet
Cabinet	24U Cabinet with Airflow & Cable Management
Cables	Ethernet and IPMI
Job Scheduler	Open Source PBS
UPS	1500VA UPS 208V 20A
Hardware Warranty	3-Year Parts & Labor Warranty on Cluster

CLUSTER OPTIONS AVAILABLE

Operating System	Red Hat & SUSE Subscriptions, Windows HPC
Cluster Management	Intel HPC Orchestrator
Job Scheduler	Altair PBS Professional
Service	On-Site Installation
Hardware Warranty	On-site

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