

# BoxClusterML

## It's time to own compact, desk side, personal supercomputer

**BoxClusterML** provides the in-built turn key Cluster-Ready technology for the extremely quiet deskside High Performance Computer system. This technology gives a turn key environment for engineers as soon as the product received. Factory optimized configurations eliminate all of time consuming cluster setup from customer's hand.

The BoxClusterML has been widely accepted in the market and keeping the No.1 best selling deskside HPC system in Japan.



### Why choose BoxClusterML

- **Turnkey:** Ready to use fully integrated solution from in-house R&D to CAE applications.
- **Quiet:** Super silent 41dB(A) under FULL loading. User can work right next without irritations of the noise.
- **High Performance:** Guaranteed high performance backed by various benchmark results from HPL to CAE applications.
- **Mobility:** Wheeled light weighted box gives freedom of moving the system to where users need to bring it.
- **Scalable:** Various high speed interconnect options provide a scalable performance solution for user needs.
- **Modular design:** Our unique concept gives quick & easy maintenance for least possible downtime.
- **Green HPC:** BoxClusterML consumes 630W only under FULL loading, yet gives users very powerful solution.

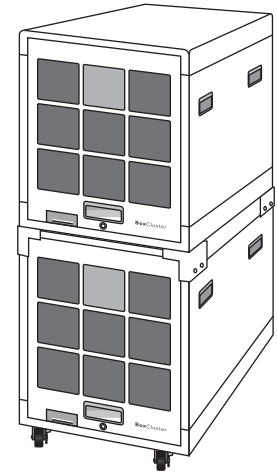


## Who is using BoxCluster series

BoxCluster series has been shipped over 800 systems with several generations to wide range of market segments from university researchers to automobile manufactures.

## BoxClusterML Specification

Specification	
Processor power	8 core of 3.0GHz Intel® Xeon® Processors 16 core of Intel® Core™2 Extreme Processors (One physical CPU per node)
Memory	Max 32GB (8GB per node), DDR2 ECC
Storage	Max 16 3.5-inch SATA (4 per node)
Expansion	PCI Express x16 for Graphics or High speed interconnect
OS	CentOS 4.6 Red Hat Enterprise Linux 4 Update 6 Microsoft® Windows® Computer Cluster Server 2003
Software settings	OpenMPI/MPICH preloaded Intel® compiler preloaded (license not included) Cluster-Ready technology implemented
Size	H23.1" x W17.1" x D25.2" H586mm x W434mm x D640mm
Weight	91lbs / 41kg
Power consumption	630W (with Xeon® E3110 3.0GHz, 8GB RAM, Full loading applied)
Noise level	41 dB(A) under full loading
Operation environment	100-120V or 220-240V (50-60Hz) 50 - 95 F (10 - 35 C) 20 - 80 % (RH), non condensing



## About BoxCluster

BoxCluster is a new project group off of the HPC Systems, the leading system integrator of High Performance Computing (HPC) solutions.

Since its inception in 2006 (as an equal merger of 10 years in industry, HIT Ltd. and 20 years in industry, Proside Corp.), HPC Systems has quickly established itself as a technology and performance leader in Japanese small to mid-range HPC/EDA market leveraging the significant synergies between both companies' software and hardware engineering. Our company plans for further growth and developments in world class solutions, to support our customers technological development.



## BoxCluster

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