

## KEY FEATURES

4-node 2U server

Per Node:

Intel® Xeon® Phi™ x200 processor  
LHP-cooled

6 DDR4 memory channels

2 PCI-E 3.0 x16 (Low-profile) slots

3 Hot-swap 3.5" SATA drive bays

Intel® i350 Dual port GbE LAN

Optional OmniPath support

Dedicated IPMI LAN port



# BOSTON QUATTRO 12256-T

A 4 NODE KNL SERVER FEATURING THE CALYOS LHP TECHNOLOGY

The Boston Quattro 12256-T “LHP edition” is the 2U, 4-node server featuring the latest generation Intel® Xeon Phi processor (codenamed Knights Landing) is designed with parallelism and vectorised workloads in mind. Intel’s 2nd generation Intel® Xeon Phi Product Family, delivers massive thread parallelism, data parallelism and memory bandwidth – with improved single-thread performance and Intel® Xeon® processor binary compatibility in a standard CPU form factor. Additionally, the Intel® Xeon Phi processor optionally includes Intel’s Omni-Path fabric technology for a truly high performance, low latency integrated platform.

In collaboration with Calyos, Boston have now developed an improved version of this server SKU by utilising their cooling solution based on LHP (Loop Heat Pipe) technology. This innovative 2-Phase cooling solution has been designed for the datacentre and provides several advantages such as improved thermals, better efficiency, lower power consumption and extended server operating temperature when compared to a standard air-cooled equivalent.



### NETWORKING

We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.



### LEASING

All of our hardware and services are available to lease. Get in touch with our sales team to discuss your requirements.



### GLOBAL SUPPORT & WARRANTY

Our after sales support team are on hand to answer any queries and provide warranty support services.

Boston Limited has been providing cutting edge technology since 1992 using Supermicro® building blocks. Our high performance, mission-critical server and storage solutions can be tailored for each specific client, helping you to create your ideal solution.

From the initial specification, solution design and even full custom branding.

“WE CAN HELP YOU SOLVE YOUR TOUGHEST BUSINESS CHALLENGES SIMPLY AND EFFECTIVELY.”

**VISIT:** BOSTON.CO.UK

## SYSTEM SPECIFICATIONS

MODEL	BOSTON QUATTRO 12256-T
	
FORM FACTOR	2U
PROCESSOR SUPPORT (per node)	Intel® Xeon® Phi™ x200 processor LHP-cooled
MEMORY TYPE (per node)	DDR-4 Registered ECC 2400MHz
MEMORY CAPACITY (per node)	Up to 192GB over 6 DIMM slots
MEMORY CHANNELS (per node)	6 per CPU
CHIPSET (per node)	Intel® C612 Chipset
ADD-ON CARD SUPPORT (per node)	2x PCI-E 3.0 x16 Low-profile slots
DRIVE SUPPORT (per node)	3x 3.5" Hot-Swap SATA Drive Bays
NETWORK CONNECTIVITY (per node)	Intel® i350 Dual port GbE LAN Optional OmniPath support Dedicated IPMI LAN port
POWER SUPPLY (per node)	Redundant 2000W Titanium Power Supply with PMBus

Customised configurations are also available - contact us to discuss your requirements.