

KEY FEATURES

ZutaCore HyperCool 2-phase direct-to-chip liquid cooling technology

4 hot-swappable dual processor server nodes

AMD EPYC™ 7003 Series CPU's with up to 64 Cores / 128 Threads

Up to 4TB of DDR4-3200 ECC memory (8 Channels)

1x PCIe 4.0 x16

Flexible Networking options

1x dedicated IPMI Server Management
1GbE network port

6 hot-swap drives per node



BOSTON QUATTRO 1264-TN-DC2

BASED ON SUPERMICO'S BIG TWIN SERVER RANGE, THE BOSTON QUATTRO 1264-TN-DC2 IS A LIQUID-COOLED 4-NODE SERVER, UTILISING 2-PHASE DIRECT-TO-CHIP TECHNOLOGY AND SUPPORTS AMD EPYC™ 7003 RANGE OF PROCESSORS.

The Boston Quattro 1264-TN-DC2 is a high density 4-node dual-processor server based on AMD's high performance EPYC™ processors.

It features a dual SP3 socket motherboard that supports two AMD EPYC™ processors, with up to 64 cores and 128 threads, 4TB of DDR4-3200 ECC memory and 1 PCIe 4.0 expansion slot per node. It is housed in a modular 2U chassis that supports 4 hot-swap U.2 NVMe SSDs and 2 SATA drives, as well as 2 M.2 PCIe 4.0 interface per node. This enables advanced storage options for challenging applications.

A flexible I/O module (SIOM) allows for selection of several Ethernet and InfiniBand networking options to fit practically every network requirement. Enterprise features include a dedicated port for IPMI remote management and a standard 2200W redundant titanium level PSU.

Boston has partnered with ZutaCore to take server cooling to the next level. The Boston Quattro 1264-TN-DC2 is using HyperCool; a direct-on-chip, waterless, evaporative 2-phase liquid cooling solution. This technology has many benefits – it allows for more stable frequencies under load which increases CPU performance while lowering the overall server power consumption at the same time. It improves energy efficiency and makes high-performance computing possible in environments that have air cooling limitations or have high ambient temperature.



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.

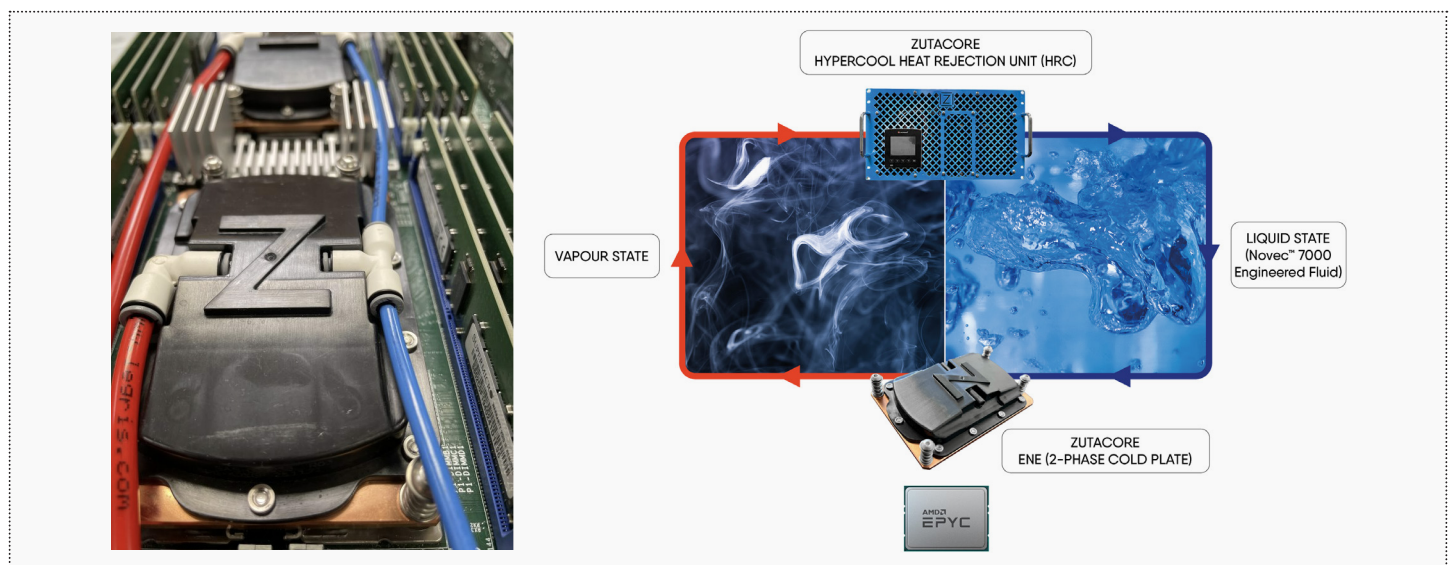


GLOBAL SUPPORT & WARRANTY

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

SYSTEM SPECIFICATIONS

MODEL	BOSTON QUATTRO 1264-TN-DC2
FORM FACTOR	2U Rackmount
CHIPSET	AMD SOC
PROCESSOR SUPPORT	AMD EPYC™ 7002 & 7003
MEMORY TYPE	DDR4 ECC 3200MHz
MEMORY CAPACITY	Up to 4TB in 16 DIMM slots (8 Channel)
EXPANSION SLOTS	1x PCIe 4.0 x16 HDDL
DRIVE SUPPORT	2x Hot-swap 2.5" SATA & 4x Hot-swap 2.5" NVME SSD or 6x Hot-swap 2.5" SATA 1x M.2 PCIe 4.0 x4/SATA in 2280/22110 form factor 1x M.2 PCIe 4.0 x4 in 2260/2280 form factor
NETWORK CONNECTIVITY	1x Flexible LAN option via PCIe 4.0 x16 SIOM
POWER SUPPLY / EFFICIENCY	2200W 80 Plus Titanium Efficiency
SYSTEM DIMENSIONS	449x88x730mm (WxHxD)



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