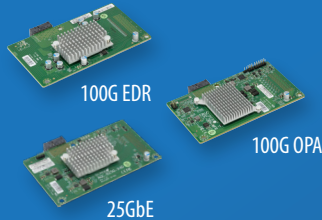# 4-Socket SuperBlade®

SAP HANA TDI Certified Blade Server Solution

Flexible Networking Options
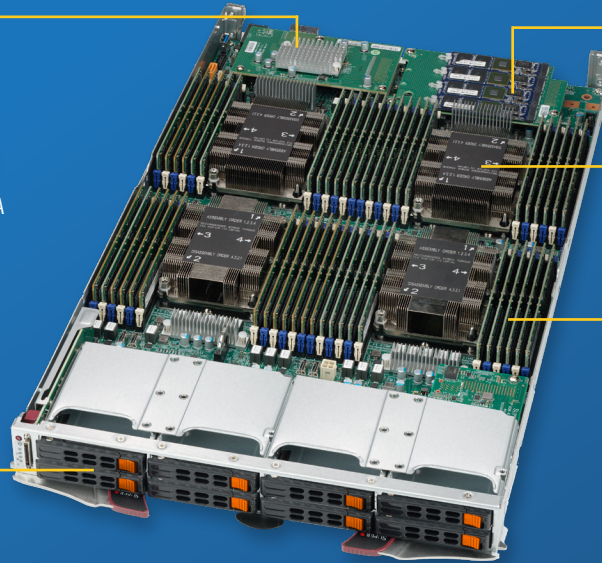
100G EDR

100G OPA

25GbE

4x M.2 NVMe/SATA drives on Mezzanine card

Quad Intel® Xeon® Scalable processors

48 DIMM Slots DDR4

Up to 4 hot-swap 2.5" NVMe/SAS3 Drives (C4N)
Up to 8 hot-swap 2.5" NVMe/SATA3 Drives (T8N)

SBI-8149P-C4N/T8N

8U SBE-820 series enclosure supporting up to 10x 4-socket blade servers

SAP® Certified
Hardware for SAP HANA®

Supermicro Multi Processor (MP) Validated Solutions for SAP HANA

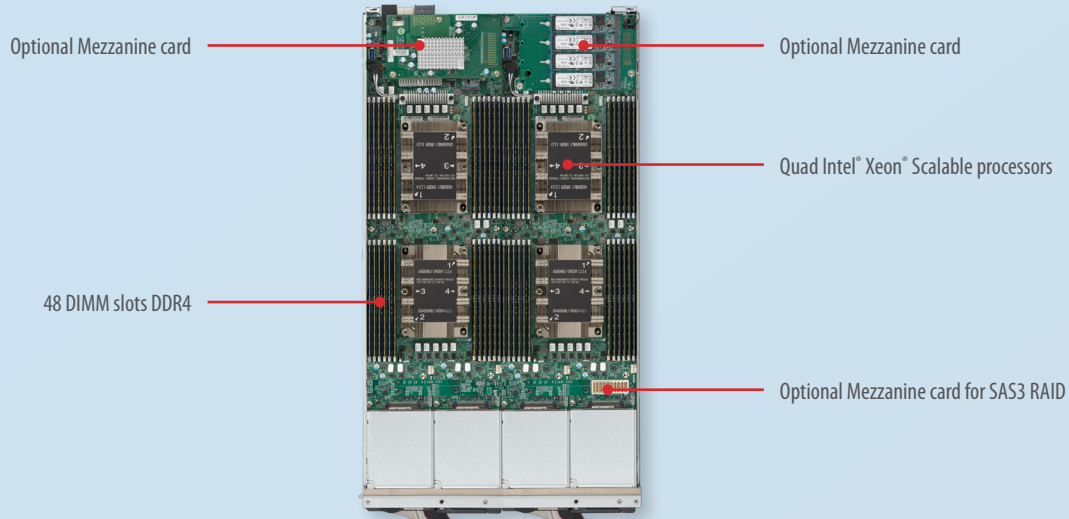Supermicro Multi Processor Validated Solutions for SAP HANA

Download White Paper

- **PERFORMANCE:** 4-socket server supporting Intel® Xeon® Scalable processors, up to 6TB DDR4 2666MHz in 48 DIMM slots

- **THROUGHPUT:** A variety of networking options, including onboard 10GbE SFP+; 25GbE, 100G EDR InfiniBand or 100G Intel® Omni-Path Architecture via add-on-cards

- **HIGH DENSITY DESIGN:** Deploy 108% more 4-socket server nodes in a standard 42U rack*

- **FLEXIBILITY:** NVMe/SATA3 with optional SAS3 support for maximum application optimization. Support hardware SAS3 RAID via add-on card and a total of 6 M.2 NVMe drives.

- **EFFICIENCY:** Resource sharing blade system architecture for the best TCO**

www.supermicro.com/superblade

August 2018

4-Socket SuperBlade®

Supermicro 4-socket blade server SBI-8149P series is designed for the most demanding, low-latency SAP applications that require the highest level of performance, scalability and reliability. Even the most complex SAP HANA 7+1 scale-out architecture can be easily deployed within a single 8U SuperBlade enclosure with 100G networking.

Optional Mezzanine card

Optional Mezzanine card

Quad Intel® Xeon® Scalable processors

48 DIMM slots DDR4

Optional Mezzanine card for SAS3 RAID

SBI-8149P

Model	SBI-8149P-C4N	SBI-8149P-T8N
Server Nodes/8U	10	10
Processor	Quad Intel® Xeon® processors Scalable family with UPI up to 10.4 GT/s	Quad Intel® Xeon® processors Scalable family with UPI up to 10.4 GT/s
Chipset	Intel® C620 series	Intel® C620 series
Memory Support	48 DDR4-2666 DIMM slots	48 DDR4-2666 DIMM slots
Max Memory	6TB	6TB
Expansion & Drive Bays	• 4 hot-swap 2.5" NVMe/SAS3/SATA3 drive bays • 2 M.2 NVMe slots • 4 M.2 NVMe on optional Mezzanine cards	• 8 hot-swap 2.5" NVMe drive bays or 4 NVMe and 4 SATA3 drive bays • 2 M.2 NVMe slots • 4 M.2 NVMe on optional Mezzanine cards
Storage RAID	Broadcom® 3108 RAID 0,1,5,10 (Mezzanine card)	Intel® PCH SATA3 RAID 0,1,5,10
InfiniBand / Intel® OPA	100G EDR InfiniBand / Intel® Omni-Path (Mezzanine card)	100G EDR InfiniBand / Intel® Omni-Path (Mezzanine card)
Ethernet Interface	• Dual-port 10G • Dual-port 25G (Mezzanine card)	• Dual-port 10G • Dual-port 25G (Mezzanine card)
Management	• IPMI 2.0 • KVM over IP • Virtual Media over LAN • Supermicro RSD	• IPMI 2.0 • KVM over IP • Virtual Media over LAN • Supermicro RSD
LED Indicators	• Fault LED • Network Activity LED • Power LED • UID / KVM LED	• Fault LED • Network Activity LED • Power LED • UID / KVM LED
Dimensions (H x W x D)	1.75" x 13" x 23.5"	1.75" x 13" x 23.5"
Chassis	**8U:** • SBE-820C/J-622 • SBE-820C/J-822	**8U:** • SBE-820C/J-622 • SBE-820C/J-822