



Seadra



2U1N2P
3rd Gen Intel® Xeon® Scalable Processors-Based Server System

Highlights

- **Great Scalability with OCP 3.0 plus Support up to 5x PCIe Gen4 x16 Slots**
- **Efficient Dual Processor Supports TDP up to 270W**
- **12 LFF / 24 SFF HDD Bays within a 2U Chassis**
- **Easy Serviceability with the Modular Design**
- **Impressive TCO Reduction**



Virtualization



Hyperconverged Storage



Cloud Computing



High End Enterprise Server

Seadra is a high performance 2U dual socket server equipped with 3rd Gen Intel® Xeon® Scalable processors that supports TDP up to 270W and features memory capacity of up to 6TB. Designed with up to 5x PCIe Gen4 x16 slots and 1x OCP 3.0 slot, Seadra not only offers high bandwidth network communication capabilities which translate into outstanding performance with scalability and flexibility, it also features an impressive reduction of its TCO. As a strong and capable Intel® platform for data-fueled enterprises, Seadra is ideal for a wide array of applications of virtualization, hyperconverged storage, cloud computing and high-end enterprise servers.

Enhanced Performance

The latest 3rd Gen Intel® Xeon® Scalable processors deliver industry-leading, workload-optimized platforms with built-in AI acceleration (up to 1.93x more AI training performance for image classification compared with the prior generation), providing a seamless performance foundation to help speed data's transformative impact, from multi-cloud to intelligent edge and back. In addition, with hardware-enhanced security, 3rd Gen Intel® Xeon® Scalable processors can help thwart malicious exploits while maintaining workload integrity with reduced overhead. Provide trusted service delivery with high availability and encryption efficiency at rest, in-use and in-flight.

Front View



Rear View



Great Scalability and Flexibility within a 2U Chassis

Adopts the Intel® C621A chipset which supports dual 3rd Gen Intel® Xeon® Scalable processors and up to 6TB of DDR4 memory, Seadra offers 40 cores, 80 threads and 32x DDR4 DIMM slots in addition to the support of the Intel® Optane™ Persistent Memory. The memory subsystem includes up to 8 channels per socket with 2 DPC. Also, Seadra offers a PCIe Gen4 interface, which allows for up to 100 GbE networking as well as 7 slimline x8 PCIe 4.0 and 3x miniSAS (x4) SATA 3 for storage, delivering high-speed connectivity and ideal for High Performance Computing (HPC) applications. Moreover, Seadra offers hot-pluggable drives with its modular front cage design, ranging from regular SATA/SAS bays to a maximum 24x U.2 NVMe drives. Together with OS drive support from two internal M.2 SATA. Seadra is well-prepared for the diverse scenarios of hyperconverged storage, including content acceleration.

Serviceability and Reliability with the Modular Design

Designed for easy serviceability, Seadra supports many tool-less components. Moreover, in order to further enhance its reliability, Seadra provides N+1 redundancy for both the power supplies and cooling fans.

About Inventec Data Center Solutions (Inventec EBG)

Inventec Data Center Solutions (Inventec EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems in Inventec Corporation. Over decades, Inventec EBG has been the key server system supplier of the global branding clients.

Seadra | Intel® Xeon® Server

Positioning	General Purpose
Form Factor	W x H x D: 447.6mm (top)/438mm(bottom) x 87mm x 780mm (17.62 (top)/17.24 (bottom) x 3.43 x 30.71 inch)
Processor	Dual Socket; 3rd Gen Intel® Xeon® Scalable Processors, TDP up to 270W
Memory Slot	32x DDR4 DIMM slots 8 Channels per CPU, total 16 Channels DIMM Type: RDIMM, LRDIMM,3DS DIMM, BPS DIMM 3200 MT/s (2DPC) Support Intel® Optane™ Persistent Memory
Chipset	Intel® C621A
Disk Drive Bay	On board 2x SATA/PCIe (x1) M.2 Front primary bays: Option 1: 12x 3.5" SAS/SATA/NVMe Hot-plug Drives Option 2: 24x 2.5" SAS/SATA/NVMe Hot-plug Drives Rear bays: 2x 2.5" SATA Hot-Plug Drives
Expansion Slot	
SKU A	4x PCIe Gen4 x16 (HHHL)
SKU B	4x PCIe Gen4 x16 (FHFL) or (FHHL) 1x PCIe Gen4 x16 (HHHL)
SKU C	2x PCIe Gen4 x16 (FHFLDW) 1x PCIe Gen4 x16 (HHHL)
Network Controller	Optional NIC 10G/25G/100G NIC via OCP3.0
Storage Controller	Support Raid/HBA standard card Onboard 7x Slimline (x8) PCIe 4.0 3x miniSAS(x4) SATA 3
System Management	Dedicated 1x 100M/1GbE Base-T (AST2500)
TPM	TPM2.0 (optional)
Power Supply	1+1 CRPS PSU,800W/1300W/1600W/2000W (110-220VAC), Platinum
Fan	N+1 redundancy, 6x 6056 hot-swap fan

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