

RUDRA SERVER PLATFORM

Rudra, C-DAC's indigenous server platform with Intel Xeon 2nd Generation Cascade Lake processor supporting DDR4 memory, with two expansion slots for GPU and Accelerator cards.

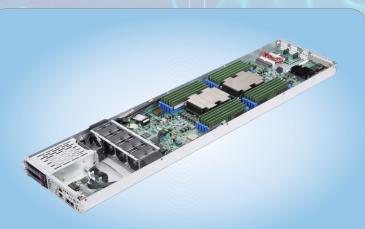
Key Features

- Dual Socket, 2nd Gen Intel® Xeon® Scalable Processors
- 20 DIMM Slots
- 2933/2666 ECC DDR4 LRDIMM, RDIMM
- Intel® Optane™ Persistent Memory (NVDIMM)
- Two PCI-e 3.0 x16 slots with GPU/Accelerator support
- Onboard 2 x 10Gbps Ethernet Interfaces
- One additional high speed network slot (Up to 100 Gbps, OCP NIC 3.0 compatible)
- Two U.2 NVMe/SATA

Key Applications

- High Performance Computing (HPC)
- Cloud and Edge computing and communication

Rudra Server: 1/2 Width 1U



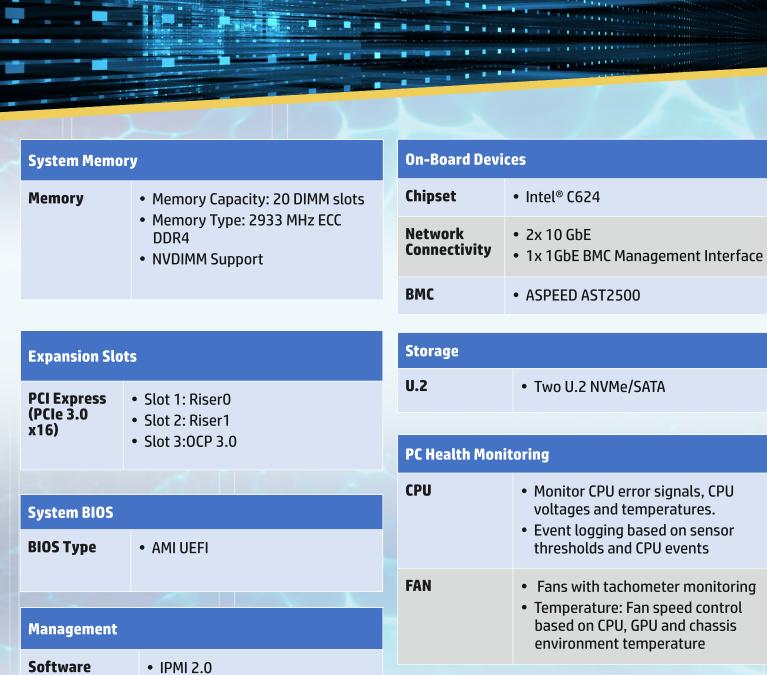
Rudra Server: 1/2 Width 2U



Processor/Cache

CPU

- Dual Socket, 2nd Gen Intel® Xeon® Scalable processors
- 2 UPI up to 10.4 GT/s
- Supports CPU with up to TDP 165W
- Up to 24C/48T, up to 35.75 MB Cache per socket



Management		FAN	 Fans with tachometer monitoring Temperature: Fan speed control based on CPU, GPU and chassis environment temperature
Software Features	 IPMI 2.0 Intel Node Manager KVM via BMC 1G management interface. Redfish/REST interface. Watch Dog Standard IPMI client tools like ipmitool. Power Configuration: ACPI Power Management 		
		Dimensions and Weight	
		Height	• 1U: 1.64" [41.65mm] • 2U: 3.291" [83.60mm]
		Width	• ½ width 8.359" [212.31mm]
		Depth	• 35.498" [901.61mm]
		Power Supply	
Power Configurations	ACPI Power Management	+12V	• Centralized Power Supply (19.2 kW)