

P13DRG Intel Whitley GPU Dual High-Performance Server Motherboard

P13DRG is a dual GPU server motherboard supporting Intel® Xeon® 3rd generation scalable series processors; the product uses the Intel® C621A high-performance server chipset, newly designed based on the Intel Xeon 3rd generation scalable series processors. This server motherboard can also provide ODM customization services for customers with personalized needs, making it the first choice for industry users to create a refined IT platform.

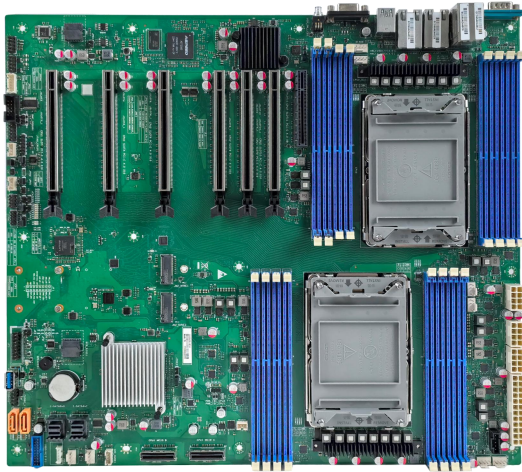


- Intel® high-performance server C621A chipset, supports two Intel® Xeon® 3rd generation scalable high-performance processors.
- 16 DDR4 RDIMM memory slots.
- DDR4 ECC RDIMM/3DS LRDIMM; maximum supported 3200MHz,
- maximum supported capacity of 4TB, significantly improving memory read and write speeds.
- 6 PCI E 4.0 x16, one PCI E 4.0 x8 expansion slots for flexible expansion.
- 2 M.2 PCI E 4.0 x4 (2280/22110), supports Intel VROC NVME raid KEY.
- 2 MCIO PCI E 4.0 x8 interfaces, two SATA interfaces for DOM electronic hard drives, 2 10GbE Ethernet ports (Intel X550), 1 Gigabit RJ45 IPMI dedicated management network port

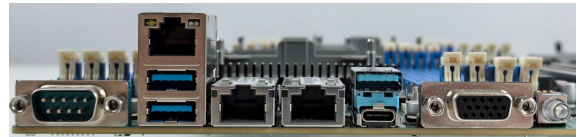
01 Specifications

System Control	CPU	Supports 2 Intel® Xeon® 3rd generation scalable series processors (LGA4189). Whitley (Ice Lake), TDP 270W
	Bridge Chip	Intel® C621A Chipset
Memory	Slots	16 memory slots (8 channels/CPU), supporting 3200/2933/2666MHz ECC DDR4 RDIMM//3DS RDIMM
	Capacity	Maximum support for 4TB 3DS RDIMM Maximum support for 4TB Intel® Optane™ Persistent Memory PMem 200 Series (Barlow Pass)
	Size	RDIMM//3DS RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB
Network	10 Gigabit Network	2 RJ45 10 Gigabit ports, supporting 10/100/1000/10000Mbps, Intel x550 enterprise-level 10 Gigabit network controller
	IPMI	1 standard RJ45 port, supporting 10/100/1000Mbps network interface
Storage	SATA	2 SATA3.0 DOM interfaces;
	m.2	2 x M.2 PCI-E 4.0 x4 interfaces, supporting 2280/22110
Expansion	PCI-E	6 PCI-E 4.0 X16; 1 PCI-E 4.0 X8
	MCIO	2 MCIO interfaces (PCIE4.0 X8)
IO Interface	Onboard IO	1 COM pin header, 1 VGA pin header, 1 Audio pin header, 1 9-pin USB pin header (expandable to 2x USB 2.0), 1 20-pin USB pin header (USB 3.0), 1 JSD1 + 1 JSD2, 1 TPM, 1 SP1 (Buzzer), 1 VROC (JRK1), 1 JL1 (Chassis Intrusion Header), 1 JSEN1, 1 USB TYPE-A (internal), 1 NCSI, 8 FAN, 1 JBT1 (CMOS Clear), 1 JPME2 (ME), 24+8+8+8 power pin headers, 1 JFP front panel interface pin header
	Back Panel I/O	1 COM, 1 VGA, 1 IPMI LAN, 2*10G LAN, 2*USB3.0 TYPE-A, 1*USB3.0 TYPE-A + 1*USB3.0 TYPE-C, 1 UID switch
Display	Chipset	ASPEED AST2500 BMC
	Interface	1 x VGA
Dimensions	Dimensions	382mm x 335mm
Temperature and Humidity Requirements	Operating Temperature	10°C to 35°C
	Storage Temperature	-40°C to 70°C
	Operating Humidity	8% to 90% (non-condensing)
	Storage Humidity	5% to 95% (non-condensing)

Product view

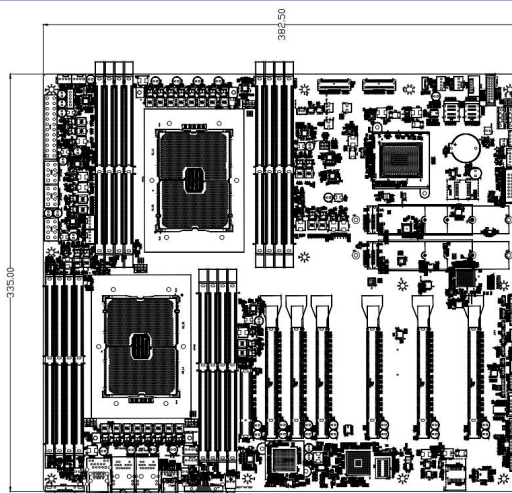


IPMI Management Port



COM USB3.0 LAN1 10GbE LAN2 10GbE USB3.0 Type C VGA UID_SW +LED

Dimensions



Product Selection

Model	Product Configuration
P13DRG	Neutral, 4GPU Dual Intel® Xeon® 3rd Generation Scalable Processor Series, C621A, 16*DIMM, 2*10Gb RJ45, IPMI