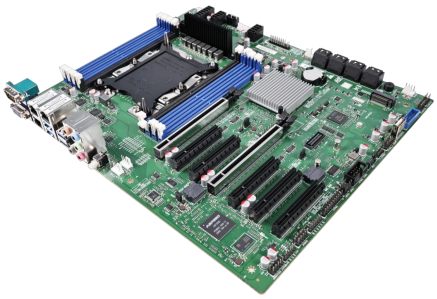
P10SRA

Intel Purley Server Motherboard

P10SRA is a high-performance single-socket server motherboard for Intel Xeon Scalable processors. Built on the Intel C621 server chipset, it supports 1st and 2nd Generation Intel Xeon Scalable and W-32XX processors. Its design and materials reflect the company's commitment to technology, innovation and environmental protection, and its customer-focused service philosophy of continually striving to deliver professional products. The board improves device expandability and performance and offers ODM customization for individual customer requirements, making it a preferred choice for tailored IT platforms for industry users.



- Intel C621 chipset supports one 1st/2nd Gen Intel Xeon Scalable or W-32XX processor (Purley: Skylake/Cascade Lake).
- Eight DDR4 RDIMM slots (6-channel per CPU); ECC RDIMM, LRDIMM and 3DS LRDIMM; up to 2933MHz and 2TB, with improved memory read/write speed.
- Up to 1TB Intel Optane PMem 100 Series (Apache Pass), supported only by 2nd Gen Cascade Lake Scalable processors. Workloads include cloud, databases, HPC, in-memory analytics, content delivery networks, high-frequency trading and fast storage.
- Two PCIe 3.0 x16 and five PCIe 3.0 x8 expansion slots for flexible expansion.
- One M.2 PCIe 3.0 x4/SATA interface (2242/2280/22110).
- Supports Intel VROC NVMe RAID key and LPC TPM.
- Eight SATA 3.0 6Gb/s ports support RAID 0, 1, 5 and 10 for enterprise storage configurations.
- Two Intel I210 Gigabit Ethernet ports and one dedicated Gigabit RJ-45 IPMI management port for network communications and remote device management.

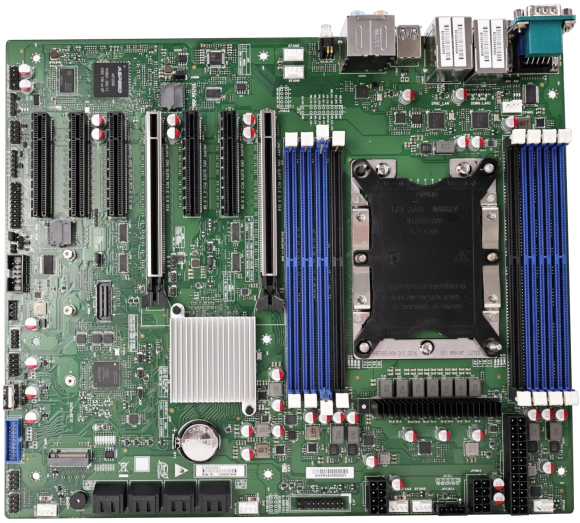
01 Specifications

System Controller	CPU / Chipset	1 × Socket P (LGA 3647); Intel Xeon 1st/2nd Gen Scalable and W-32XX processors (Purley: Skylake/Cascade Lake); TDP 205W; UPI 10.4 GT/s; Intel C621 chipset
Memory	Slots / Type	8 DIMM slots (6-channel per CPU; 8 DIMMs per CPU); DDR4 ECC RDIMM, LRDIMM and 3DS LRDIMM at 2933/2666/2400/2133MHz
	Capacity	Up to 2TB 3DS RDIMM; up to 2TB 3DS LRDIMM; up to 1TB Intel Optane PMem 100 Series (Apache Pass), supported only by 2nd Gen Cascade Lake Scalable processors
	Module Sizes	16GB, 32GB, 64GB, 128GB, 256GB
Network	Controller	2 × Intel I210-AT enterprise Gigabit Ethernet controllers
	Gigabit LAN	2 × standard Gigabit RJ-45 ports; 10/100/1000Mbps
	IPMI Management	1 × standard RJ-45 port; 10/100/1000Mbps
Storage	SATA	8 × SATA 3.0 6Gb/s ports; RAID 0, 1, 5, 10 (8 × 7-pin SATA and sSATA)
	M.2	1 × M.2 PCIe 3.0 x4/SATA interface; supports 2242/2280/22110
Expansion	PCIe Slots	2 × PCIe 3.0 x16 and 5 × PCIe 3.0 x8; Slot 3 shares with Slot 4 (NA/16; 8/8); Slot 6 shares with Slot 7 (NA/16; 8/8)
I/O Ports	Onboard I/O	1 × VROC; 1 × TPM header; standard ATX 24-pin + 8-pin + 8-pin power; 1 × standard PMBus interface
	Onboard I/O	2 × USB 3.0 headers; 2 × USB 2.0 headers; 1 × USB 2.0 Type-A; 8 × 4-pin fan headers; 2 × serial headers; chassis intrusion detection header
	Rear I/O	4 × USB 3.0; 1 × VGA; 1 × COM; 1 × 6-jack 7.1-channel HD audio; 1 × UID switch with LED; 2 × Gigabit RJ-45 LAN; 1 × RJ-45 IPMI management
Display	BMC	ASPEED AST2500 BMC
	Interfaces	1 × VGA (DB15); 1 × front VGA header
Physical Specs	Dimensions	12.01 × 10.23 in (30.50 × 25.99cm)
Temperature / Humidity	Operating	10° C to 35° C; 8% to 90% humidity, non-condensing
	Storage	−40° C to 70° C; 5% to 95% humidity, non-condensing

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Platform	**Chipset**	Intel C621
Processor	**CPU**	Intel Xeon Scalable 1st/2nd Gen and W-32XX
Memory	**Type / Capacity**	8 DIMMs; DDR4 ECC RDIMM/LRDIMM; up to 2TB
Dimensions	**Size**	305.0 × 259.9mm

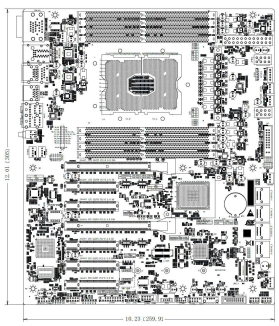
02 Product View





COM · VGA · LAN 1/2 (1GbE) · USB 3.0 ×4 · IPMI · 7.1-channel audio · UID switch + LED

03 Dimensions



Product Selection

Model	Configuration
P10SRA	Neutral; single-socket Intel Xeon Scalable 1st/2nd Gen and W-32XX; C621; 8 DIMMs; 2 × Gigabit RJ-45; audio; IPMI; COM

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