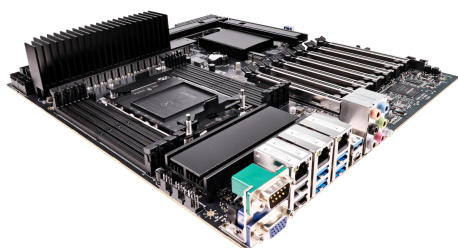


P15SWN

Single-socket high-performance server motherboard

The P15SWN is a high-performance single-socket server motherboard based on the Intel® workstation W790 chipset, using Sapphire Rapids series W2400/W2500 Processor 64L and W3400/W3500 Processor 112L processors, designed specifically for creators, developers, and engineers. This server motherboard also offers ODM customization services to meet personalized customer needs, making it the top choice for industry users looking to create a refined IT platform.

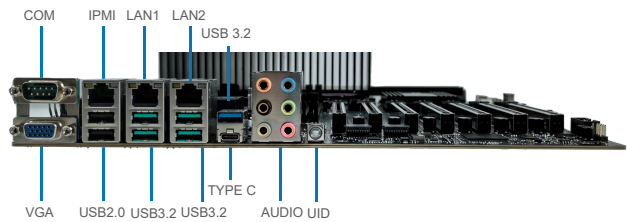


- Intel® workstation W790 chipset, using Sapphire Rapids series W2400/W2500 Processor 64L and W3400/W3500 Processor 112L processors;
- 8 DDR5 RDIMM memory slots, supporting up to 2TB ECC RDIMM memory;
- 6 PCIe 5.0 X16 expansion slots (X16 signal) and 1 PCIe 5.0 X16 expansion slot (X8 signal);
- 8 SATA interfaces, 2 Slimline, NVME X4 *2 M.2 (Key M) 22110/2280 (CPU); NVME X4*1 M.2 (Key M) 22110/2280 (PCH).
- 1 10G network interface, 1 Intel® 1G network interface, 1 network management interface, 1 WIFI interface M.2 (Key E);
- Supports USB3.2 for high-speed data backup to mobile storage;

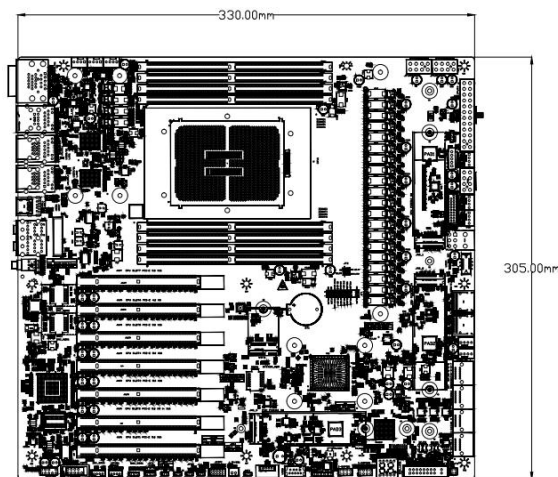
01 Specifications

System Main Control	CPU	1 Socket E, Intel® Xeon® Sapphire Rapids workstation series processor, supports Intel Turbo Boost Max Technology 3.0
	Bridge Chip	Intel® W790 Chipset
	BIOS	AMI UEFI BIOS
Display	Chip	ASPEED AST2600 BMC
	Interface	1 x VGA
Memory	Type	8 x DDR5 RDIMM (8 channels); 64L only supports DIMMA1/DIMMB1/DIMME1/DIMMF1 Supports 4800/4400MHz
	Memory Capacity	W2400/W2500 Processor 64L maximum supports 1TB 3DS RDIMM W3400/W3500 Processor 112L maximum supports 2TB 3DS RDIMM
	Memory Size	16G, 32G, 64GB, 128GB, 256GB
Network	WIFI	1 x M.2 (Key E)
	Wired	2 x RJ-45 ports, one supports 100/1000/2500/10000Mbps, one supports 100/1000Mbps
	IPMI	1 x Standard RJ45, 10/100/1000Mbps network port
Storage	SATA	8 x SATA, SlimlineX4 x2
	M.2	NVME X4 *2 M.2 (Key M) 22110/2280 (CPU); NVME X4*1 M.2 (Key M) 22110/2280 (PCH)
Expansion Slots	PCIe Expansion	6 x PCIe 5.0 X16 (X16 signal) slots (1, 3, 4, 5, 6, 7)
		1 x PCIe 5.0 X16 (X8 signal) slot (2)
I/O Ports	Rear I/O Ports	1 x USB Type-C; 5 x USB 3.2 Gen 2 port(s) (Type-A); 1 x VGA port; 1 x UID (with LED); 1 x DB9 RS232; 2 x USB 2.0 port(s) (2 x Type-A); 6 x Audio jacks; 1 x 10Gb Ethernet ports; 1 x 1Gb Ethernet ports; 1 x BMC Ethernet ports
	Onboard I/O	1 x USB 3.2 Gen 2x2 connector (supports USB Type-C®); 1 x USB 3.2 Type-A 1 x USB 3.2 Gen 1 header(s) supports 2 additional USB 3.2 Gen 1 ports 24-pin Main Power connector; 3 x 8-pin +12V Power connector 1 x BMC header; 1 x COM Port header; 1 x Front Panel Audio header 1 x JFI; 1 x SMBUS; 1 x SPI TPM header; 1 x VROC Key header
Dimensions	Dimensions	330*305mm
Temperature and Humidity Requirements	Operating Temp	0~35°C
	Operating Humidity	8%~90% non-condensing
	Storage Temp	-40~70°C
	Non-operating Humidity	5%~95% no condensation

Product view



Dimensions



Product Selection

Model	Product Configuration
P15SWN	Server Motherboard P15SWN, AST2600, AQC113-B1-C, I210, ALC897