

ServMax® X-110B

1U Single Socket Intel Xeon 6900P Processor Server



Features

- ServMax® X-110B is a flagship performance rackmount server designed for scale-out cloud workloads
- Single Intel® Xeon® 6 6900 series Processor; 12 DIMM slots supporting up to 3TB
- Double width add-on card support
- Flexible networking options with 1 AIOM networking slot (OCP NIC 3.0 compatible)
- Breeze through high throughput workloads with PCIe 5.0 NVMe drive support
- Trusted Platform Module (TPM) 2.0 onboard

Applications

- Virtualization, Financial, Scale Out All-Flash NVMe Storage, Data Center Enterprise Applications, Cloud Computing, AI Inference, CDN/vCDN/Cloud CDN

Specifications

Form Factor	<ul style="list-style-type: none"> • 1U Rackmount • Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66") • Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")
Processor	<ul style="list-style-type: none"> • Single Socket BR (LGA-7529) • Intel® Xeon® 6900 series processors with P-cores • Up to 128C/256T; Up to 504MB Cache
System Memory	<ul style="list-style-type: none"> • Slot Count: 12 DIMM slots • Max Memory (1DPC): Up to 3TB 8800MT/s ECC DDR5 MRDIMM • Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	<p>Default: Total 8 bays</p> <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays <p>(*NVMe/SAS/SATA support may require additional storage controller and/or cables)</p> <p>M.2: 2 M.2 NVMe slots (M-key 2280/22110/25110; VROC required for RAID)</p>
Expansion Slots	<p>Option A</p> <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHFL double-width slot • 1 PCIe 5.0 x16 FH/10.5"L double-width slot • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) <p>Option B</p> <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHFL double-width slot 2 PCIe 5.0 x8 FH/10.5"L slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	<ul style="list-style-type: none"> • NVMe: NVMe; RAID 0/1/5/10 support (Intel® VROC RAID key required) • Chipset: System on Chip • Network Connectivity: Via AIOM
Input / Output	<ul style="list-style-type: none"> • LAN: 1 RJ45 1 GbE Dedicated BMC LAN port • 2 USB 3.0 ports (rear) • 1 USB 3.0 port (front) • Video: 1 VGA port

Specifications	
System Cooling	<ul style="list-style-type: none"> • Air Shroud: 1 CPU Air Shroud • Fans: 6 counter-rotating 60x60x56mm Fan(s)
Power Supply	<ul style="list-style-type: none"> • 2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	<ul style="list-style-type: none"> • BIOS Type: AMI 64MB SPI Flash
Management	<ul style="list-style-type: none"> • AMAX Cloud Composer; AMAX Server Manager (ASM); AMAX Diagnostics Offline (ADO); AMAX Thin-Agent Service (AAS); AMAX Server Automation Assistant (AAA) New!
PC Health Monitoring	<ul style="list-style-type: none"> • CPU: Monitors for CPU Cores, Chipset Voltages, Memory • FAN: Fans with tachometer monitoring • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors • Temperature: Monitoring for CPU and chassis environment • Thermal Control for fan connectors
Operating Environment	<ul style="list-style-type: none"> • Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) • Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)

