

# 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"> <li>• 1U Rackmount</li> <li>• Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66")</li> <li>• Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")</li> </ul>
Processor	<ul style="list-style-type: none"> <li>• Single Socket BR (LGA-7529)</li> <li>• Intel® Xeon® 6900 series processors with P-cores</li> <li>• Up to 128C/256T; Up to 504MB Cache</li> </ul>
GPU	<ul style="list-style-type: none"> <li>• Max GPU Count: Up to 1 double-width or 2 single-width GPUs</li> <li>• CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>• Slot Count: 12 DIMM slots</li> <li>• Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM</li> <li>• Max Memory (1DPC): Up to 1.5TB 8800MT/s ECC DDR5 MRDIMM</li> </ul>
Drive Bays Configuration	<p>Default: Total 8 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</li> </ul> <p>Option A: Total 12 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</li> <li>• 4 front hot-swap 2.5" SAS*/SATA* drive bays</li> </ul> <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>Default</p> <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 FHHL slot</li> <li>• 1 PCIe 5.0 x16 FHFL slot</li> <li>• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)</li> <li>• 1 PCIe 5.0 x8 FHFL slot</li> </ul>
On-Board Devices	<ul style="list-style-type: none"> <li>• NVMe: NVMe; RAID 0/1/5/10 support (Intel® VROC RAID key required)</li> <li>• Chipset: System on Chip</li> <li>• Network Connectivity: Via AIOM</li> </ul>
Input / Output	<ul style="list-style-type: none"> <li>• LAN: 1 RJ45 1 GbE Dedicated BMC LAN port</li> <li>• USB: 2 USB 3.0 ports(rear)</li> <li>• 1 USB 3.0 port(front)</li> <li>• Video: 1 VGA port</li> </ul>

Specifications	
System Cooling	<ul style="list-style-type: none"> <li>• Air Shroud: 1 CPU Air Shroud</li> <li>• Fans: 8 counter-rotating 40x40x56mm Fan(s)</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>• 2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies</li> </ul>
System BIOS	<ul style="list-style-type: none"> <li>• BIOS Type: AMI 64MB SPI Flash</li> </ul>
Management	<ul style="list-style-type: none"> <li>• AMAX Cloud Composer; AMAX Server Manager (ASM); AMAX Diagnostics Offline (ADO); AMAX Thin-Agent Service (AAS); AMAX Server Automation Assistant (AAA) New!</li> </ul>
PC Health Monitoring	<ul style="list-style-type: none"> <li>• CPU: Monitors for CPU Cores, Chipset Voltages, Memory</li> <li>• FAN: Fans with tachometer monitoring</li> <li>• Status monitor for speed control</li> <li>• Pulse Width Modulated (PWM) fan connectors</li> <li>• Temperature: Monitoring for CPU and chassis environment</li> <li>• Thermal Control for fan connectors</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</li> <li>• Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>• Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>• Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

