

# ServMax® A-1212G

## 1U Dual Socket AMD EPYC 9005, 9004 Series Processor Server



### Features

- AMD EPYC 9005, 9004 Series Processors
- PCIe 5.0 Support
- GPU and FPGA Support
- Enhanced Security

### Applications

- Hot Data Cache Server
- Cloud Solution Provider
- Enterprise Storage
- Virtualized Storage

Specifications	
Processor Support	<ul style="list-style-type: none"> <li>• 2 x Socket SP5 (LGA 6096)</li> <li>• AMD EPYC™ 9005, 9004 Series Processors (up to 400W)</li> <li>• 5th/4th Generation AMD EPYC Processors</li> </ul>
Core Logic	<ul style="list-style-type: none"> <li>• (INTEGRATED I/O – NO CHIPSET)</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• Total Slots: 24 (12 channel per CPU, 1 DIMM per CPU)</li> <li>• Capacity: Maximum 6144GB</li> <li>• Memory Type: DDR5 6000/4800/4400 RDIMM/ 3DS RDIMM</li> <li>• Memory Size: 128GB, 64GB, 32GB RDIMM 128GB, 64GB, 32GB 3DS RDIMM</li> </ul>
Expansion Slots	<p>Total PCI/PCI-X/PCI-E/PIKE Slots:</p> <ul style="list-style-type: none"> <li>• 3 x Expansion slots + 1 x Internal PIKE slot</li> </ul> <p>Slot Type:</p> <ul style="list-style-type: none"> <li>• Up to 3 x PCIe Gen5 slots + 1 x internal RAIDslot</li> <li>• 1 x PCIe Gen5 x16 (FHFL)</li> <li>• 1 x PCIe Gen5 x16 or OCP3.0(FHFL)</li> <li>• 1 x PCIe Gen5 x16 (LP)</li> <li>• 1 x PCIe Gen4 x8 (LP, internal)</li> </ul>
Disk Controller	<ul style="list-style-type: none"> <li>• SATA Controller: 8 x SATA 6Gb/s ports, 2 x M.2 connectors (SATA 6Gb/s &amp; PCI-E Gen4 x4 link)</li> <li>• SAS Controller: Optional kits: <ul style="list-style-type: none"> <li>- Broadcom HBA CARD 9500-16i</li> <li>- Broadcom MegaRAID 9540-8i</li> <li>- Broadcom MegaRAID 9560-16i</li> </ul> </li> </ul>
Storage Bays	<ul style="list-style-type: none"> <li>• I = internal: 12 x 2.5" Hot-Swap Drive Bays up to (12 xNVMe/SATA/SAS*)</li> <li>• A or S will be hot-swappable: 2 x M.2 (Up to 2280 from CPU1)</li> </ul> <p>*RAID card is required to support SAS hard drives</p>
Networking	<p>LAN:</p> <ul style="list-style-type: none"> <li>• 1 x Quad Port Intel I350-AM4 1G LAN Controller or</li> <li>• 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller or None</li> <li>• 1 x Management Port</li> </ul>
Graphic	<ul style="list-style-type: none"> <li>• VGA: Aspeed AST2600 64MB</li> </ul>
Auxiliary storage Device Bay	<ul style="list-style-type: none"> <li>• 1 x External ODD (optional)</li> </ul>

Specifications	
Front I/O Ports	<ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen 1ports</li> <li>• 1 x VGA port</li> </ul>
Rear I/O Ports	<ul style="list-style-type: none"> <li>• 2 x USB 3.1 Gen1 ports, 1 x VGA port, 1 x RJ-45 Mgmt LANport</li> <li>• 2 x 10G or 4 x 1G RJ-45 GbE LAN port (Optional), 1 x OCP3.0port (Optional)</li> </ul>
Switch/LED	<p>Front Switch/LED:</p> <ul style="list-style-type: none"> <li>• 1 x Power Switch (w/ LED), 1 x Reset Switch, 1 x Location Switch (w/ LED)</li> <li>• 1 x HDD Access LED, 1 x Message LED, LAN 1-4 LED (on NIC module)</li> </ul> <p>Rear Switch/LED:</p> <ul style="list-style-type: none"> <li>• 1 x Port 80 LED (Q-Code), 1 x Power Switch (w/ LED), 1 x Location LED (w/ LED)</li> <li>• 1 x Message LED</li> </ul>
OS Support	<ul style="list-style-type: none"> <li>• Windows® Server 2019</li> <li>• RedHat® Enterprise Linux, SuSE® Linux Enterprise Server</li> <li>• CentOS, Ubuntu, Vmware</li> </ul>
Management Solution	<ul style="list-style-type: none"> <li>• Software: AMAX Control Center (Classic)</li> <li>• On-Board AB11-iKVM for KVM-over-IP</li> </ul>
Power Supply (following different configuration by region)	<ul style="list-style-type: none"> <li>• 1+1 Redundant 2600W/1600W 80 PLUS Titanium power supply</li> <li>• 1+1 Redundant 2000W/1600W 80 PLUS Platinum power supply</li> </ul>
Environment	<ul style="list-style-type: none"> <li>• Operation temperature: 10°C ~ 35°C</li> <li>• Non operation temperature: -40°C ~ 60°C</li> <li>• Non operation humidity: 20% ~ 90% ( Non condensing)</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>• 842.5mm x 449mm x 43.85mm / 33.17" x 17.68" x 1.73" (1U)</li> </ul>

