

ServMax® A-2124T

2U Single Socket AMD EPYC 9005 Series Processor Server



Features

- 1 x AMD EPYC 9005 Series Processor
- With 24*DDR5 DIMM up to 5200Mhz
- PCIe Gen5 slots
- Max 2x DW GPU cards supported
*24Nvme SKU can't support GPU
- Rack-optimized Design
- 24 x 2.5" Hot-swap SSD bays

Applications

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

Specifications										
Processor Support	<ul style="list-style-type: none"> • 1 x Socket SP5 (LGA 6096) • Supports AMD EPYC™ 9005 series processors or AMD EPYC™ 9004 series processors, up to 360W, with AMD 3D V-Cache technology 									
Core Logic	<ul style="list-style-type: none"> • System on Chip (SOC) 									
Memory	<table border="0"> <tr> <td>Total Slots:</td> <td>• 24 12-channel, 2 DIMM per channel</td> <td rowspan="4"> <ul style="list-style-type: none"> • AMD EPYC™ 9004 series processors • DDR5 4800 RDIMM • 2DPC (1 of 2) up to 4800, • 2DPC (2 of 2, 1R+1R) up to 4000 • 2DPC (2 of 2, 2R+2R) up to 3600 </td> </tr> <tr> <td>Capacity:</td> <td>• Maximum up to 2,304GB</td> </tr> <tr> <td>Memory Type:</td> <td> <ul style="list-style-type: none"> • AMD EPYC™ 9005 series processors • DDR5 5600 RDIMM2DPC (1 of 2) up to 5200 • 2DPC (2 of 2, 1R+1R) up to 4400, • 2DPC (2 of 2, 2R+2R) up to 4000 </td> </tr> <tr> <td>Memory Size:</td> <td>• 96GB, 64GB, 32GB, 16GB(RDIMM)</td> </tr> </table>	Total Slots:	• 24 12-channel, 2 DIMM per channel	<ul style="list-style-type: none"> • AMD EPYC™ 9004 series processors • DDR5 4800 RDIMM • 2DPC (1 of 2) up to 4800, • 2DPC (2 of 2, 1R+1R) up to 4000 • 2DPC (2 of 2, 2R+2R) up to 3600 	Capacity:	• Maximum up to 2,304GB	Memory Type:	<ul style="list-style-type: none"> • AMD EPYC™ 9005 series processors • DDR5 5600 RDIMM2DPC (1 of 2) up to 5200 • 2DPC (2 of 2, 1R+1R) up to 4400, • 2DPC (2 of 2, 2R+2R) up to 4000 	Memory Size:	• 96GB, 64GB, 32GB, 16GB(RDIMM)
Total Slots:	• 24 12-channel, 2 DIMM per channel	<ul style="list-style-type: none"> • AMD EPYC™ 9004 series processors • DDR5 4800 RDIMM • 2DPC (1 of 2) up to 4800, • 2DPC (2 of 2, 1R+1R) up to 4000 • 2DPC (2 of 2, 2R+2R) up to 3600 								
Capacity:	• Maximum up to 2,304GB									
Memory Type:	<ul style="list-style-type: none"> • AMD EPYC™ 9005 series processors • DDR5 5600 RDIMM2DPC (1 of 2) up to 5200 • 2DPC (2 of 2, 1R+1R) up to 4400, • 2DPC (2 of 2, 2R+2R) up to 4000 									
Memory Size:	• 96GB, 64GB, 32GB, 16GB(RDIMM)									
Expansion Slots	<p>Total PCI Slots:</p> <ul style="list-style-type: none"> • Up to 5 PCIe Gen5 slots + 10CP3.0 <p>Slot Type:</p> <ul style="list-style-type: none"> • 2 x PCIe x16 slot (Gen5 x16 link, FHFL) or dual-slot GPU cards or • 4 x PCIe x16 slot (Gen5 x8 link, FHFL)* • 1 x PCIe x16 slot (Gen5 x8 link, LP) • 1 x OCP 3.0 Mezzanine (Gen5 x16link) <p>*support NOT available on 24 NVMe SKU</p>									
Disk Controller	<ul style="list-style-type: none"> • SATA Controller: CPU Integrated • SAS Controller: Optional kits: <ul style="list-style-type: none"> - Broadcom Mega RAID 9560-16l - AMAX PIKE II 30088-port SAS HBA card 									
Storage Bays	<ul style="list-style-type: none"> • 24 x 2.5" hot-swap drive bays • (24 x U.2/U.3 NVMe or 16 x U.2/U.3 NVMe + 8x SATA/SAS or • 12 x U.2/U.3 NVMe + 1 2x SATA/SAS or 8 x U.2/U.3 NVMe + 16 x SATA/SAS) • 2 x 2.5" hot-swap drive bays (Rear-bay support SATAIII) • 2 x M.2 socket (Gen4 x4 link or SATA mode, up to 22110module) 									
Networking	<p>LAN:</p> <ul style="list-style-type: none"> • 1 x Dual Port Intel I350-AM2 Gigabit LAN Controller • 1 x Dedicated Management port 									
Graphic	<ul style="list-style-type: none"> • VGA: Aspeed AST260064MB 									

Specifications	
Front I/O Ports	<ul style="list-style-type: none"> • 2 x USB 3.2 Gen1ports
Rear I/O Ports	<ul style="list-style-type: none"> • 2 x USB 3.2 Gen1 ports, 1 x VGA port, 2 x RJ-45 GbE LAN ports,
Switch/LED	<p>Front:</p> <ul style="list-style-type: none"> • 1 x Power Switch (w/LED) • 1 x Reset Switch • 1 x Location Switch (w/ LED) • 1 x HDD Access LED • 1 x MessageLED • LAN 1-2 LED <p>Rear:</p> <ul style="list-style-type: none"> • 1 x Port80 LED (Q-Code) • 1 x Power Switch w/LED • 1 x Location Switch w/ LED • 1 x Message LED
Management Solution	<ul style="list-style-type: none"> • Software: AMAX Control Center (Classic) • Out of Band Remote Management: On-Board AB11-iKVM for KVM-over-IP
Power Supply (Following different configuration by region)	<ul style="list-style-type: none"> • 1+1 Redundant 2000W/1600W 80 PLUS Titanium Power Supply • 1+1 Redundant 1200W 80 PLUS Platinum Power Supply
Environment	<ul style="list-style-type: none"> • Operation temperature: 10°C ~ 35°C • Non operation temperature: -40°C~ 70°C • Non operation humidity: 20% ~ 90% (Non condensing)
Dimensions	<ul style="list-style-type: none"> • 840mmx 449mmx 88.1mm(2U) • 33.07" x 17.68" x3.47"

