

## Argon Systems Server 3000

Argon Systems builds powerful affordable servers pre-tested and ready to deploy

### Balance of Compute and Storage in a 1U Server

This general purpose 1U server offers the data center a balance of compute and storage capacity. Large motherboard has additional PCIe slots. Get the highest throughput and lowest latency with an all flash configuration and RDMA. One server is a optimal for SMB. Cluster them for enterprise class workloads.

- General VM hosting
- Small to medium databases
- Low to medium traffic websites
- Development and Testing



### Save Time and Reduce Risk

- Get it done right the first time. Assembled, imaged, configured and tested for low risk and instant deployment
- Solutions built by experts with the next generation data center platform from Microsoft®. We began developing cloud technologies in 2008 with Microsoft Windows Cloud OS.

### Scale as you grow

- Argon System’s building block servers scale out performance and capacity simply by adding one or more servers at a time
- Server cluster will dynamically rebalance as each new cloud server is added

### Certified

- Microsoft Windows Server 2016 and Azure Stack Certified
- Featuring SUPERMICRO®, the global leader in high performance, high efficiency server technology and innovation

### Services and Support

- Professional Services included with your purchase we will assess your needs and design an optimal configuration
- 24x7 helpdesk and hardware in 150 countries
- Enterprise Support SLA

### Building Block

Compute: 1-node, 2 CPUs, 44 cores

Storage: 20TB, 10x 2.5” drives

IOPS: 10x NVMe drives

### Key Features

- Intel® Xeon® E5-2600 v3,4
- Up to 2 processors each up to 22 cores (44 cores maximum)
- Up to 3.5 GHz

### Compute

- Up to 3TB
- Up to 40TB (using 4TB drives)

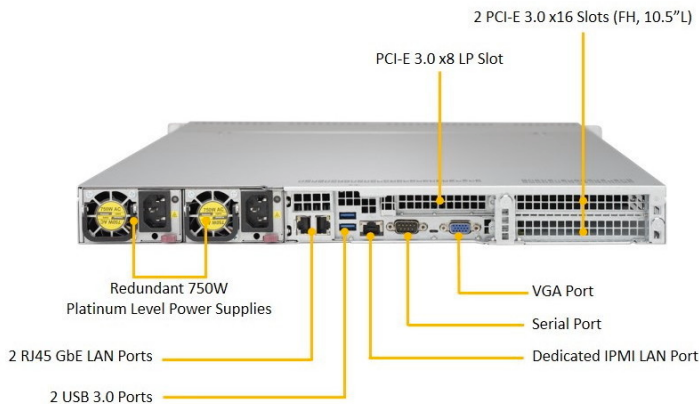
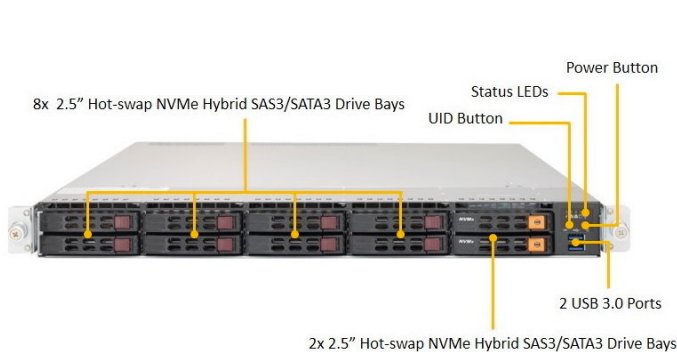
### Memory

- 10x 2.5” hot-swap bays
- 6x SATA3 and 4x NVMe/SATA3 hybrid drive bays (standard)
- 10x NVMe hot-swap bays (all flash option)

### Storage

Microsoft Certified • Integrated • Tested





Compute	
<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel® Xeon® processor E5-2600 family v3 or v4 (up to 145W TDP)</li> <li>Dual Socket R3 (LGA 2011)</li> </ul>
<b>Cores</b>	<ul style="list-style-type: none"> <li>Up to 22 cores (44 cores maximum)</li> <li>Up to 55MB cache</li> </ul>
<b>System Bus</b>	<ul style="list-style-type: none"> <li>PCIe v3.0</li> <li>QPI up to 9.6 GT/s</li> </ul>
Memory	
<b>Capacity</b>	<ul style="list-style-type: none"> <li>Up to 3TB</li> <li>24x 288-pin DDR4 DIMM slots</li> <li>ECC 3DS LRDIMM, 768GB ECC RDIMM</li> </ul>
<b>Type</b>	<ul style="list-style-type: none"> <li>2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit</li> </ul>
<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>4GB, 8GB, 16GB, 32GB, 64GB, 128GB</li> </ul>
Storage	
<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>10x 2.5" hot-swap bays</li> <li>6x SATA3 drive bays and 4x NVMe/SATA3 hybrid drive bays (standard)</li> <li>10x NVMe hot-swap bays (all flash option)</li> </ul>
Expansion	
<b>Slots</b>	<ul style="list-style-type: none"> <li>2x PCIe 3.0 x8 full-height slots</li> <li>1x PCIe 3.0 x8 low-profile slot</li> </ul>

On-Board Devices	
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® C612 chipset</li> </ul>
<b>HBA</b>	<ul style="list-style-type: none"> <li>SATA 3.0</li> </ul>
<b>IPMI</b>	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2400 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Mellanox ConnectX-4 NIC (25, 50, 100 GbE options)</li> <li>Intel® X540 Dual port 10GBase-T</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Dedicated IPMI port</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>TPM 2.0 (Azure Stack Certified)</li> </ul>
Dimensions	
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>1U Rackmount</li> </ul>
<b>Width</b>	<ul style="list-style-type: none"> <li>17.2" (437mm)</li> </ul>
<b>Height</b>	<ul style="list-style-type: none"> <li>1.7" (43mm)</li> </ul>
<b>Depth</b>	<ul style="list-style-type: none"> <li>27.82" (707mm)</li> </ul>
Power and Cooling	
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>750W Redundant AC-DC Power Supplies, +12V/+12Vsb output</li> <li>Platinum Level</li> </ul>
<b>Fans</b>	<ul style="list-style-type: none"> <li>5x heavy duty PWM fans with optimal fan speed control</li> <li>3x additional fans (optional)</li> <li>Status monitor for speed control</li> </ul>