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

Large 2U Storage Platform

This 2U configuration is a data center server designed for large storage workloads. Motherboard has additional PCIe slots for high IOPS options. One is a powerful SMB server. Cluster them together for enterprise class workloads.

- General VM hosting
- Data warehousing
- Work Folders
- Backup system
- Disaster recovery server

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
- 24×7 helpdesk and hardware in 150 countries
- Enterprise Support SLA

Microsoft Certified • Integrated • Tested

(408) 850-2544 info@argonsys.com argonsys.com

Key Features

<table>
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<tr>
<th>Compute</th>
<th>1-node, 2 CPUs, 44 cores</th>
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<tr>
<td>Storage</td>
<td>120TB, 12x 3.5” drives</td>
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<tr>
<td>IOPS</td>
<td>8x SATA3 and 4x NVMe drives</td>
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</tbody>
</table>

| Compute          | Up to 2 processors each up to 22 cores (44 cores maximum) | Up to 3.5 GHz |
| Memory           | Up to 2TB |

| Storage          | Up to 120TB (using 10TB drives) | 12x 3.5” hot-swap bays | 8x SATA3 drive bays and 4x NVMe/SATA3 hybrid drive bays | 2x 2.5” SATA3 rear hot-swap bays |

Building Block

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## Compute

**CPU**
- Intel® Xeon® processor E5-2600 family v3 or v4 (up to 145W TDP)
- Dual Socket R3 (LGA 2011)

**Cores**
- Up to 22 cores (44 cores maximum)
- Up to 55MB cache

**System Bus**
- PCIe v3.0
- QPI up to 9.6 GT/s

## Memory

**Capacity**
- Up to 2TB
- 16x 288-pin DDR4 DIMM slots
- ECC 3DS LRDIMM, 768GB ECC RDIMM

**Type**
- 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

**DIMM Sizes**
- 4GB, 8GB, 16GB, 32GB, 64GB, 128GB

## Storage

**Hot-swap**
- 12x 3.5” hot-swap bays
- 8x SATA3 drive bays and 4x NVMe/SATA3 hybrid drive bays
- 2x 2.5” SATA3 rear hot-swap bays

## Expansion

**Slots**
- 1x PCIe 3.0 x16 full-height slots
- 6x PCIe 3.0 x8 low-profile slot (slot 1 & 2 occupied by controller and JBOD expansion port)

## On-Board Devices

**Chipset**
- Intel® C612 chipset

**HBA**
- SATA 3.0

**IPMI**
- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- ASPEED AST2400 BMC

**Network Controllers**
- Mellanox ConnectX-4 NIC (25, 50, 100 GbE options)
- Intel® X540 Dual port 10GBase-T
- Virtual Machine Device Queues reduce I/O overhead
- Dedicated IPMI port

**Security**
- TPM 2.0 (Azure Stack Certified)

## Dimensions

**Form Factor**
- 2U Rackmount

**Width**
- 17.2" (437mm)

**Height**
- 3.5" (89mm)

**Depth**
- 25.6" (648mm)

## Power and Cooling

**Power Supply**
- 920W Redundant AC-DC Power Supplies, +12V/+12Vsb output
- Platinum Level

**Fans**
- 3x 8cm hot-swap redundant PWM cooling fans