

# Tower System

## Versatile Workstation and Server for Small and Medium Sized Businesses



A+ Tower AS -3015A-I

Whether you need an efficient workstation for content creation and visual computing, or a server for applications, email, or network infrastructure, the A+ Tower AS -3015A-I is ready to work for you. The system's IPMI management port makes setup simple, whether you deploy one or a thousand at a time. The workstation supports a single AMD EPYC™ 4000 Series CPU for enterprise-grade computing with up to 16 AMD 'Zen 4' cores. Abundant internal storage makes this workstation ideal for data-intensive content creation or as a workgroup storage server. With up to two PCIe 5.0 expansion slots, you can accelerate 2D and 3D graphics and drive multiple displays. Once prepared, you can whisk content to its destination with two Gigabit Ethernet LAN-on-motherboard ports.

### Designed for Small- and Medium-Sized Businesses

The AS -3015A-I Tower is designed for efficiency and versatility. You can load it up with internal drives, a GPU accelerator, and ultra-fast PCIe 5.0 M.2 NVMe storage—or you can deploy a preconfigured system with a 16-core EPYC CPU, 32 GB of memory, and a 960 GB M.2 NVMe drive, and add features as you need them. Particularly important for the SMB market is the system's capability to perform as a workstation and a server, so you can cover all of your needs with one type of system. Use the tower system for workloads including the following:

### Mainstream tower design

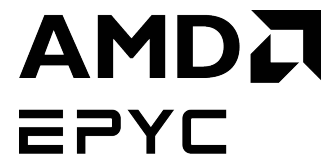
Efficient workstation ready to tackle desktop computing and server functions with:

- Single AMD EPYC™ 4005/4004 Series processor with up to 16 cores and 32 threads and 170W TDP
- Up to 192 GB DDR5-5200 ECC or non-ECC memory
- Two M.2 NVMe drive slots
- Four 3.5" internal drive bays
- Two 5.25" front peripheral bays
- Two PCIe 5.0 expansion slots
- Dual Gigabit Ethernet LAN ports
- One Gigabit IPMI management port
- High-efficiency 668W Platinum Level power supply

- **2D and 3D content creation** with one bay capable of hosting a full-height, full-length, PCIe 5.0 x16 GPU accelerator.
- **Visual computing**, supported by a built-in ASPEED AST2600 BMC graphics controller plus up to two half-height PCIe 5.0 x16 GPUs
- **Workgroup server** for business applications including Microsoft® SharePoint and Microsoft SQL Server that support basic business operations, file sharing, and collaborative workloads
- **AI inferencing** propelled by GPU accelerators such as the NVIDIA® A4000.

### Powered by the AMD EPYC™ 4000 Series

With the same high-performance 'Zen 4' cores that power AMD server processors, the EPYC™ 4000 Series delivers up to 16 cores, 32 threads, and boost frequencies up to 5.7 GHz. It has all of the features you need to propel your desktop applications including fast DDR5-5200 memory and PCIe 5.0 I/O. They can equally propel internal applications, and desktop creative applications with options ranging from six to 16 cores. Supported processors and their maximum boost frequencies include:



## Open Management

Regardless of your organization's management approach, our open management APIs and tools are ready to support you. In addition to a dedicated IPMI port, and a Web IPMI interface Supermicro® Server Manager and Supermicro Update Manager software helps you configure, maintain, and monitor all of your systems. If you plan to deploy large numbers of our tower systems, your DevOps teams can create their own tools using industry-standard Redfish® APIs automate deployment and management to exactly meet the needs of your organization.



H13 Generation	A+ Server AS-3015A-I
Form Factor	<ul style="list-style-type: none"> <li>Tower Workstation</li> </ul>
Processor Support	<ul style="list-style-type: none"> <li>Single AM5 socket for one AMD EPYC™ 4005/4004 Series processor up to 170W TDP</li> <li>Up to 16 cores, up to 170W TDP per socket¹ B650 platform controller hub</li> </ul>
Memory Slots & Capacity	<ul style="list-style-type: none"> <li>2-channel DDR5 memory support</li> <li>4 slots for up to 192 GB ECC or non-ECC DDR5-5200 UDIMMs</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>2 PCIe 5.0 half-height, full-length slots configurable as 2 x8 slots or 1 x16 slot</li> </ul>
Storage	<ul style="list-style-type: none"> <li>4x 3.5" internal SATA3 drive bays</li> <li>2 PCIe 5.0 x4 M-Key NVMe M.2 drive slots</li> <li>2x 5.25" externally accessible peripheral bays (for DVD or mobile rack for additional drives)</li> </ul>
Front I/O Ports	<ul style="list-style-type: none"> <li>Power button, information LED, HDD status LED, LAN status LED</li> <li>2x USB 3.2 Gen 1 Type A (5 Gb/s)</li> </ul>
Rear I/O Ports	<ul style="list-style-type: none"> <li>2 USB 3.2 Gen 2 with DisplayPort alternate mode support</li> <li>1 USB 3.2 Gen 2x2 Type C (20 Gb/s)</li> <li>3 USB 3.2 Gen 2x1 Type A (10 Gb/s)</li> <li>2x GbE ports (Intel i210AT)</li> <li>1 dedicated GbE IPMI management port</li> <li>1 VGA (shared with IPMI), 1 HDMI 2.0b, 1 DisplayPort 1.4a with ASPEED AST2600 BMC graphics</li> <li>1 COM port</li> <li>HD 7.1-channel audio via Realtek ALC888S-VD</li> </ul>
Security	<ul style="list-style-type: none"> <li>TPM 2.0 header</li> <li>Hardware root of trust</li> </ul>
System Management	<ul style="list-style-type: none"> <li>Built-in server management tool (IPMI 2.0, KVM/media over LAN) with dedicated GbE LAN port</li> <li>Redfish APIs</li> <li>Supermicro SuperDoctor® 5.0</li> <li>Supermicro Server Manager (SSM)</li> <li>Supermicro Update Manager (SUM)</li> </ul>
System Cooling	<ul style="list-style-type: none"> <li>80 mm front cooling fan</li> <li>90 mm rear exhaust fan</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>668W 80 PLUS Platinum PS/2 power supply unit</li> </ul>