

Low-Profile, Mini-1U System, up to 65W TDP CPU (Air Cooled)



Supermicro SYS-E300-14AR



Ideal Low-Profile, Enterprise Edge Server for AI Inferencing

Supermicro's E300-14AR system is part of its Compact Edge server portfolio and is considered a mini-1U system. The Compact Edge portfolio includes a wide range of versatile systems designed to deliver compute and AI performance to the remote edge. The E300-14AR is well positioned to be an ideal enterprise Edge AI solution delivering the processing capacity required for Edge AI use cases such as interactive kiosks, video signage, remote patient healthcare, and industrial automation.

With its low-profile, air-cooled footprint, the E300-14AR leverages a single Intel® Core™ Ultra processor (Series 2) and supports multiple industry-standard I/O options providing deployment flexibility while also balancing performance and power consumption up to 65W TDP in an operating temperature range from 0°C to 40°C (32°F to 104°F).

**Server class
reliability
with support
for out-of-band
management**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



**Intel® Core™
Ultra Processors**



**OpenVINO™
Toolkit**

**1
oneAPI
Intel® oneAPI
Toolkit**

Key Features

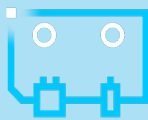
Empowered by Intel.



Edge AI Ready



Enhanced Connectivity with Remote Management

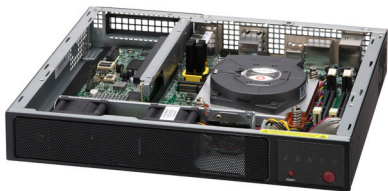


Small Form Factor for Flexible Deployment



Air-Cooled System

Supermicro SYS-E300-14AR



Product Specifications

CPU	Single Intel® Core™ Ultra 9/7/5 (Series 2) processor
Graphics	(1) low-profile PCIe 5.0x16 GPU
Memory	(2) DIMM slots, Max Memory (1DPC): Up to 96GB 6400MT/s ECC/non-ECC DDR5 SO-DIMM
Storage	(1) Internal fixed 2.5" SATA drive bay (1) M.2 PCIe 5.0x4NVMe slot (M-key 2280)
Wireless Network	Available through an add-on module
LAN	(1) RJ45 1 GbE Dedicated BMC LAN port (2) RJ45 10 GbE LAN ports (Intel® X550) (2) RJ45 2.5 GbE LAN ports (Intel® I226-LM)
Operating / Storage Temp.	32°F to 104°F with 0.7 m/s airflow / -40°F to 158°F
Dimension (W x D x H)	264.8mm x 225.8mm x 43mm
Weight	3.7 lbs
OS	Windows 11, RHEL 10.0, and Ubuntu 24.04

Learn More

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