

A+ Server 2114GT-DNR (Complete System Only)



Integrated Board



[./Aplus/motherboard/EPYC7000/H12SSG-AN6.cfm](https://aplus/motherboard/EPYC7000/H12SSG-AN6.cfm)

[H12SSG-AN6](https://aplus/motherboard/EPYC7000/H12SSG-AN6.cfm) ([./Aplus/motherboard/EPYC7000/H12SSG-AN6.cfm](https://aplus/motherboard/EPYC7000/H12SSG-AN6.cfm)).

Views: | [Angled View](#) (/a_images/products/views/2114GT-DNR_angle.jpg) | [Front View](#) (/a_images/products/views/2114GT-DNR_front.jpg) | [Rear View](#) (/a_images/products/views/2114GT-DNR_rear.jpg) |

Complete System Only: To maintain quality and integrity, this product is sold only as a completely-assembled system (Per node, minimum 1 CPU, 2 DIMMs, 1 NVMe drive, 1 GPU installed). Add on Cards (AOC) are recommended to be installed by Supermicro due to optimized density of the 2U form factor.

Service: OSNBD3 is highly recommended.

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List](#) (</en/support/resources/m2ssd?SystemID=87603&ProductName=AS%20-2114GT-DNR>)

[NVMe Options](#) | [Tested AOC](#) | [Manuals](#)

[OS Certification Matrix](#) (</en/support/resources/certification/AS-2114GT-DNR>)

[Compatible GPU List](#) (</en/support/resources/gpu>)

[Quick-References Guide](#)



Key Applications

- Media/Video Streaming
- AI Inference and Machine Learning
- Cloud Gaming
- Industrial Automation, Retail, Smart Medical Expert Systems

Key Features

Two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:

1. Single AMD EPYC™ 7003/7002 Series Processor (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)
2. 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs
3. Up to 6 PCI-E Gen 4 x16 (4 internal, 2 external) slots, 1 PCI-E 4.0 x8 AIOM slot
M.2 Interface: 2 PCI-E 4.0 x4
M.2 Form Factor: 2280, 22110
M.2 Key: M-key
4. Integrated IPMI 2.0 + KVM with dedicated LAN
 - **Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management**
5. 2 front Hot-swap 2.5" U.2 NVMe Gen4 drive bays
6. AST2600 BMC
7. 2600W Redundant (1+1) Power Supplies
Titanium Level (96%)
(Full redundancy based on configuration and application load)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

AS -2114GT-DNR

A+ Server 2114GT-DNR (Black)

Motherboard (per Node)

Super H12SSG-AN6

([./Aplus/motherboard/EPYC7000/H12SSG-AN6.cfm](https://aplus.com/motherboard/EPYC7000/H12SSG-AN6.cfm)).

Processor (per Node)

CPU

Single EPYC™ 7003/7002 Series Processor
(The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)
Socket SP3

Supports CPU TDP up to 280W*

Cores

Up to 64 Cores

Chipset

System on Chip (SoC)

Note

* Certain CPUs with high TDP may be supported only under specific conditions. Please contact Supermicro Technical Support for additional information about specialized system optimization

GPU Support (per Node)

3 double-width or 6 single-width GPUs

System Memory (per Node)

Memory Capacity

8 DIMM slots

Up to 2TB 3DS ECC DDR4-3200MH SDRAM

Memory Type

3200MHz ECC DDR4 SDRAM

On-Board Devices (per Node)

Network

Flexible networking via AIOM

IPMI

Support for Intelligent Platform Management Interface v.2.0

IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Graphics & System Management

ASPEED AST2600 BMC

Input / Output (per Node)

SATA

SATA3 (6Gbps) via AMD EPYC

LAN

Flexible networking provided by AIOM

1 RJ45 1GbE Dedicated IPMI management port

USB

2 USB 3.0 ports (rear)

Video

1 VGA Connector (rear)

Others

1 COM port (header)

1 TPM 2.0 (header)

System BIOS (per Node)

BIOS Type

AMI 256Mb SPI Flash ROM

Management (per Node)

Chassis

Form Factor

2U Rackmountable

Model

CSE-227GTS-R2K63P

Dimensions

Height

3.47" (88mm)

Width

17.6" (447mm)

Depth

29.9" (760mm)

Available Colors

Black

Drive Bays / Storage (per Node)

Hot-swap

2 front Hot-swap 2.5" U.2 NVMe Gen4 drive bays

Expansion Slots (per Node)

PCI-Express

6 PCI-E Gen 4 x16 (4 internal, 2 external) slots

1 PCI-E Gen 4 x8 AIOM networking slot

System Cooling

Fans

4 Hot-swap heavy duty 80mm PWM fans

Power Supply

2600W Redundant Power Supplies with PM Bus

Total Output Power and Input

2600W with Input 200-240Vac

2600W with Input 200-240Vdc (for CQC only)

Dimension

(W x H x L)

40 x 73.5 x 265 mm

+12V

Max: 216A / Min: 0A (200-240 Vac)

+12Vsb

Max: 4.5A / Min: 0A

Output Type

Gold Finger Connector

Certification (Pending)



Titanium Level

Operating Environment

RoHS

RoHS Compliant

Environmental Spec.

Operating Temperature:

10°C ~ 35°C (50°F ~ 95°F)

Non-operating Temperature:

-40°C to 60°C (-40°F to 140°F)

Operating Relative Humidity:

8% to 90% (non-condensing)

Non-operating Relative Humidity:

5% to 95% (non-condensing)

Software

[IPMI 2.0 \(/solutions/IPMI.cfm\)](/solutions/IPMI.cfm)

KVM with dedicated LAN

[SSM \(/solutions/SMS_SSM.cfm\)](/solutions/SMS_SSM.cfm), [SPM](/solutions/SMS_SPM.cfm)

[SUM](/solutions/SMS_SUM.cfm)

[\(/solutions/SMS_SUM.cfm\)](/solutions/SMS_SUM.cfm)

[SuperDoctor® 5 \(/solutions/SMS_SD5.cfm\)](/solutions/SMS_SD5.cfm)

Watchdog

PC Health Monitoring

CPU

Monitors for CPU Cores, Chipset Voltages, Memory.

4+1 Phase-switching voltage regulator

FAN

Fans with tachometer monitoring

Status monitor for speed control

Pulse Width Modulated (PWM) fan connectors

Temperature

Monitoring for CPU and chassis environment

Thermal Control for fan connectors

Parts List

[Global SKU \(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
