

A+ Server 1114S-WTRT



Integrated Board



[./Aplus/motherboard/EPYC7000/H12SSW-NT.cfm](https://www.supermicro.com/en/Aplus/motherboard/EPYC7000/H12SSW-NT.cfm)

[Super H12SSW-NT](https://www.supermicro.com/en/Aplus/motherboard/EPYC7000/H12SSW-NT.cfm) ([./Aplus/motherboard/EPYC7000/H12SSW-NT.cfm](https://www.supermicro.com/en/Aplus/motherboard/EPYC7000/H12SSW-NT.cfm))

Views: | [Angled View](#) (/a_images/products/views/1114S-WTRT_angle.jpg) | [Top View](#) (/a_images/products/views/1114S-WTRT_top.jpg) | [Front View](#) (/a_images/products/views/1114S-WTRT_front.jpg) | [Rear View](#) (/a_images/products/views/1114S-WTRT_rear.jpg) |

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

[Tested M.2 List](/en/support/resources/m2ssd?SystemID=86919&ProductName=AS1114S-WTRT) (</en/support/resources/m2ssd?SystemID=86919&ProductName=AS1114S-WTRT>).

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

[OS Certification Matrix](/en/support/resources/certification/AS-1114S-WTRT) (</en/support/resources/certification/AS-1114S-WTRT>).

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

[Quick-References Guide](#) | [Drive Options](#)

[Datasheet](/datasheet/datasheet_H12_WIO.pdf) (/datasheet/datasheet_H12_WIO.pdf).

Key Features

- DB Processing & Storage**
 - Data Center Applications**
 - Firewall Applications**
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. 8 DIMMs; up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM
 3. 2 PCI-E 4.0 x16 (FHFL) slots,
1 PCI-E 4.0 x16 (LP) slot
 4. Integrated IPMI 2.0 + KVM with dedicated LAN
 - **Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management**
 5. 10 Hot-swap 2.5" SATA3 drive bays,
Optional 2 U.2 NVMe (PCI-E 3.0) drive support via additional kit for NVMe devices
 6. 2x 10GBase-T LAN ports via Broadcom BCM57416 Controller
 7. 1 VGA,
7 USB 3.0 (4 rear, 2 front, 1 Type A)
 8. 2 SuperDOM (Disk on Module) ports
 9. 500W Redundant Power Supplies
Platinum Level High-efficiency
(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 -1114S-WTRT

Standard version with PWS-504P-1R (Platinum Level)

AS -1114S-WTRT-EU

European version with PWS-601A-1R (Titanium Level)

Motherboard

Super H12SSW-NT

([./Aplus/motherboard/EPYC7000/H12SSW-NT.cfm](https://www.supermicro.com/en/Aplus/motherboard/EPYC7000/H12SSW-NT.cfm)).

Processor/Cache

CPU

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)

Socket SP3

Support CPU TDP up to 280W

Cores

Up to 64 Cores

System Memory

Memory Capacity

8 DIMM slots

Up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM

Memory Type

DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs

On-Board Devices

Chipset

System on Chip

SATA

SATA3 (6Gbps)

Network Controllers

Dual 10GBase-T LAN with via Broadcom BCM57416

IPMI

Support for Intelligent Platform Management Interface v.2.0

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

Video

ASPEED AST2500 BMC

Input / Output

SATA

2 SATA3 (6 Gbps) ports

LAN

2 RJ45 10GBase-T ports

1 RJ45 Dedicated IPMI LAN port

USB

7 USB 3.0 ports (4 rear, 2 front, 1 Type A)

Video

1 VGA port

DOM

2 SuperDOM ([./SATADOM/](https://www.supermicro.com/en/Aplus/Storage/SATADOM/)), (Disk on Module) ports

System BIOS

BIOS Type

AMI 32Mb SPI Flash ROM

Management

Chassis

Form Factor

1U Rackmount

Model

CSE-116TS-R504WBP2

Dimensions and Weight

Width

17.2" (437mm)

Height

1.7" (43mm)

Depth

23.5" (597mm)

Package

7.63" (H) 23.42" (W) 31.45" (D)

Gross Weight

46 lbs (20.9kg)

Available Colors

Black

Front Panel

Buttons

Power On/Off button

UID button

LEDs

Power status LED

HDD activity LED

Network activity LEDs

Universal Information (UID) LED

Expansion Slots

PCI-Express

2 PCI-E 4.0 x16 (FHFL) slots

1 PCI-E 4.0* x16 (LP) slot

2 PCI-E / SATA 3.0 x2 NVMe M.2 slots

imited Support: On some PCI-E 4.0 devices, it will only run at PCI-E 3.0

Drive Bays

Hot-swap

10 Hot-swap 2.5" SATA3 drive bays

Optional 2 U.2 NVMe (PCI-E 3.0) drive support via additional kit for NVM

Backplane

SAS/SATA HDD Backplane

System Cooling

Fans

4 Counter-rotating 4cm PWM fans, 2 fans for cooling AOC

Power Supply

500W Redundant Power Supplies with PMBus

Note: AS -1114S-WTRT-EU (European) SKU uses PWS-601A-1R (Titanium)

Total Output Power

500W

Dimension

(W x H x L)

54.5 x 40.25 x 320 mm

Software[Super Doctor 5 \(/products/nfo/SMS_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

Watch Dog

[SUM \(/products/nfo/SMS_SUM.cfm\)](/products/nfo/SMS_SUM.cfm)[IPMI 2.0 \(/products/nfo/SMS_IPMI.cfm\)](/products/nfo/SMS_IPMI.cfm), KVM with dedicated LAN**Power Configurations**

ACPI / APM Power Management

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

Input

100-240Vac, 50-60Hz, 6.1-2.6A

+12V

Max: 42A / Min: 0.5A

+5Vsb

Max: 4A / Min: 0A

Output Type

Gold Finger Connector Mating with Molex 45984-4343

With Power Distributor

+5V: 25A

+3.3V: 12A

-12V: 0.6A

Certification<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2> **Platinum Certified**[\[Test Report \(/products/powersupply/80PLUS/80PLUS04P-1R.pdf\) \]](/products/powersupply/80PLUS/80PLUS04P-1R.pdf)**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:

Parts List

Certain products may not be available in your region

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