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## A+ Server 1113S-WN10RT (Complete System Only)

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Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

Due to the complexity of integration, this product is sold as a completely assembled system only (with 1 CPU, minimum 4 DIMMs, at least 1 NVMe). Recommended configuration for best performance is at least 1 DIMM per channel (8 DIMM Total). Please contact your Supermicro sales rep for special requirements.

[▶ Drivers & Utilities](#) | [▶ BIOS](#) | [▶ IPMI](#) | [▶ Tested Memory](#)  
[▶ Tested M.2 List](#) | [▶ NVMe Options](#)

### Key Features

- **Virtualization**
- **Cloud Computing**
- **All Flash Storage**

1. Single AMD EPYC™ 7000-Series Processor
2. Up to 2TB Registered ECC DDR4 2666MHz SDRAM in 16 DIMMs
3. Expansion slots:  
 2 PCI-E 3.0 x16 (FH/HL) slots,  
 1 PCI-E 3.0 x16 (LP) slot  
**M.2 Interface:** PCI-E 3.0 x4 (NVMe based)  
**M.2 Form Factor:** 2280, 22110  
**M.2 Key:** Onboard M-key  
**Number of M.2:** Dual
4. Integrated IPMI 2.0 + KVM with dedicated LAN
5. 2x 10GBase-T LAN ports via Broadcom BCM57416
6. 10 hot-swap 2.5" U.2 NVMe drive bays, optional 4 SATA3 drive support with additional cables
7. 750W Redundant Power Supplies **Platinum Level (94%)**  
*(Full redundancy based on configuration and application load)*



### Specifications

#### Product SKUs

<b>AS -1113S-WN10RT</b>	▪ A+ Server 1113S-WN10RT
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#### Motherboard

<b>H11SSW-NT</b>
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#### Processor/Chipset

<b>CPU</b>	▪ Single AMD EPYC™ 7000-series Processor ▪ Socket SP3
<b>Cores</b>	▪ Up to 32 Cores
<b>Chipset</b>	▪ System on Chip (SoC)

#### System Memory

<b>Memory Capacity</b>	▪ 16 DIMM slots ▪ Supports up to 2TB Registered ECC DDR4 2666MHz SDRAM ▪ 8-channel memory bus
<b>Memory Type</b>	▪ DDR4 2666 MHz Registered ECC, 240-pin gold-plated DIMMs
<b>DIMM Sizes</b>	▪ 4GB, 8GB, 16GB, 32GB, 64GB, 128GB
<b>Memory Voltage</b>	▪ 1.2V
<b>Error Detection</b>	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)

#### Chassis

<b>Form Factor</b>	▪ 1U
<b>Model</b>	▪ CSE-116TS-R706WBP3

#### Dimensions

<b>Height</b>	▪ 1.7" (43mm)
<b>Width</b>	▪ 17.2" (437mm)
<b>Depth</b>	▪ 23.5" (597mm)
<b>Weight</b>	▪ Net Weight: 20 lbs (9.1 kg) ▪ Gross Weight: 33 lbs (15.0 kg)

#### Front Panel

<b>Buttons</b>	▪ Power On/Off button ▪ System Reset button
<b>LEDs</b>	▪ Power LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat LED / Fan fail LED / UID LED

#### Drive Bays

<b>Hot-swap</b>	▪ 10 hot-swap 2.5" U.2 NVMe drive bays
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#### Backplane

<b>Hybrid Backplane</b>	▪ Supports up to 10x 2.5" NVMe storage devices, 4 of them SAS3/SATA3 compatible
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**On-Board Devices**

<b>IPMI</b>	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2500 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Broadcom BCM57416 Controller</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>ASPEED AST2500 BMC</li> </ul>

**Expansion Slots**

<b>PCI Express</b>	<ul style="list-style-type: none"> <li>2 PCI-E 3.0 x16 (FH/HL) slots</li> <li>1 PCI-E 3.0 x16 (LP) slot</li> </ul>
<b>M.2</b>	<ul style="list-style-type: none"> <li>Interface: PCI-E 3.0 x4 (NVMe based)</li> <li>Form Factor: 2280, 22110</li> <li>Key: Onboard M-key</li> <li>Number of M.2: Dual</li> </ul>

**Input / Output**

<b>NVMe</b>	<ul style="list-style-type: none"> <li>Up to 10 U.2 NVMe support</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>Optional 4 SATA3 (6 Gbps) support via additional cables</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x 10GbBase-T LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>7 USB 3.0 ports (4 rear + 2 front + 1 Type A)</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1 VGA port</li> </ul>
<b>Others</b>	<ul style="list-style-type: none"> <li>1 COM port</li> <li>2 SATA DOM power connectors</li> <li>TPM 1.2 header</li> </ul>


**System BIOS**

<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>AMI 128Mb SPI Flash EEPROM</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>DMI 2.3</li> <li>PCI 2.2</li> <li>ACPI 5.1</li> <li>USB Keyboard Support</li> <li>SMBIOS 3.1.1</li> </ul>

**System Cooling**

<b>Fans</b>	<ul style="list-style-type: none"> <li>6 heavy-duty PWM fans with optimal fan speed control</li> </ul>
<b>Air Shroud</b>	<ul style="list-style-type: none"> <li>1 Air Shroud</li> </ul>

**AC/DC240V Input Redundant Power Supply**

700W/750W Redundant Power Supplies with PMBus	
<b>Total Output Power</b>	<ul style="list-style-type: none"> <li>700W/750W</li> </ul>
<b>Dimension (W x H x L)</b>	<ul style="list-style-type: none"> <li>54.5 x 40.25 x 320 mm</li> </ul>
<b>Input</b>	<ul style="list-style-type: none"> <li>100 - 140Vac / 8 - 6A / 50-60Hz</li> <li>200 - 240Vac / 4.5 - 3.8A / 50-60Hz</li> <li>200 - 240Vdc / 4.5 - 3.8A (CCC Only)</li> </ul>
<b>+12V</b>	<ul style="list-style-type: none"> <li>Max: 58A / Min: 0.5A (100 - 140Vac)</li> <li>Max: 62A / Min: 0.5A (200 - 240Vac)</li> <li>Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)</li> </ul>
<b>+5V sb</b>	<ul style="list-style-type: none"> <li>Max: 3A / Min: 0A</li> </ul>
<b>Output Type</b>	<ul style="list-style-type: none"> <li>Gold Finger Connector Mating with Molex 45984-4343</li> </ul>
<b>Certification</b>	 <ul style="list-style-type: none"> <li>UL/cUL/CB/BSMI/CE/CCC</li> <li>Platinum Certified</li> <li><a href="#">[ Test Report ]</a></li> </ul>

**PC Health Monitoring**

<b>CPU</b>	<ul style="list-style-type: none"> <li>Monitors CPU Core Voltages, +12V, +3.3V, +5V, +5V standby, 3.3V standby, VBAT</li> <li>CPU switching voltage regulator</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>Up to 6-fan status tachometer monitoring</li> <li>Up to six 4-pin fan headers</li> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>CPU Thermal Trip Support</li> <li>Thermal control for 6x Fan connectors</li> <li>1°C Temperature Sensing Logic</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>CPU / System Overheat LED</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Chassis Intrusion Detection</li> <li>Chassis Intrusion Header</li> </ul>

**Operating Environment / Compliance**

<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
<b>Environmental Spec.</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 30°C (50°F to 86°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

**Parts List**

[See Parts List](#)

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