

## TECHNICAL DATASHEET

SUPERMICRO • MULTI-NODE &amp; TWIN

# Supermicro 4U FatTwin Server AS-F1114S-FT

4U 8-node FatTwin with 4 fixed 2.5" SATA bays per node

SKU AS-F1114S-FT

4U

Supermicro



FORM FACTOR

**4U**

MAX POWER (BASE)

**386 W**

HEAT OUTPUT

**1,317 BTU/h**

PRICE

**On request**

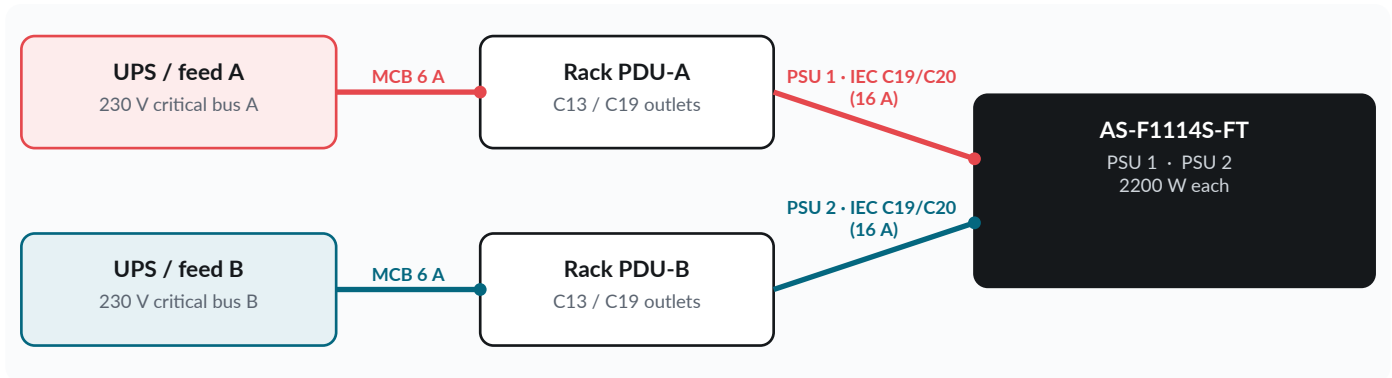
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[serverinvest.com/product/as-f1114s-ft](https://serverinvest.com/product/as-f1114s-ft)



### 03 Power connection diagram

Dual-feed (A/B) connection for redundant power supplies



- Connect PSU 1 to PDU-A and PSU 2 to PDU-B (independent feeds) using IEC C19/C20 (16 A) power cords.
- Maximum current per feed: 1.8 A at 230 V — each feed must be able to carry the full load if the other fails.
- Recommended protection per PDU circuit: MCB 6 A, curve C; RCD according to local regulations.
- Heat to remove at full load: 386 W = 1,317 BTU/h (0.4 kW).

### 04 Full specifications

#### MOTHERBOARD

Super H12SSFF-AN6

#### PROCESSOR (PER NODE)

|      |                                                           |
|------|-----------------------------------------------------------|
| CPU  | Single Socket SP3<br>AMD EPYC 7002/7003 Series Processors |
| Note | Supports up to 280W TDP CPUs (Air Cooled)                 |

#### SYSTEM MEMORY (PER NODE)

|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| Memory         | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM<br>View Memory Options |
| Memory Voltage | 1.2V                                                                                                            |

#### ON-BOARD DEVICES (PER NODE)

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| SATA                 | SATA (6Gbps)                                                                                                                 |
| Network Connectivity | Ethernet<br>View AIOM Options<br>View AOC Options                                                                            |
| IPMI                 | Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |

#### INPUT / OUTPUT (PER NODE)

|       |                                     |
|-------|-------------------------------------|
| LAN   | 1 RJ45 1 GbE Dedicated BMC LAN port |
| USB   | 2 USB 3.0 ports (front)             |
| Video | 1 VGA port (Front)                  |

|                              |                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TPM                          | 1 TPM header                                                                                                                                            |
| <b>SYSTEM BIOS</b>           |                                                                                                                                                         |
| BIOS Type                    | AMI 256MB SPI Flash EEPROM                                                                                                                              |
| <b>MANAGEMENT</b>            |                                                                                                                                                         |
| Software                     | Supermicro Server Manager (SSM)<br>Supermicro Update Manager (SUM)<br>Supermicro SuperDoctor 5 (SD5)<br>KVM with dedicated LAN<br>IPMI 2.0<br>Watch Dog |
| Power configurations         | ACPI Power Management                                                                                                                                   |
| <b>SECURITY</b>              |                                                                                                                                                         |
| Hardware                     | Trusted Platform Module (TPM) 2.0<br>Silicon Root of Trust (RoT) – NIST 800-193 Compliant                                                               |
| Features                     | Cryptographically Signed Firmware<br>Secure Boot<br>Secure Firmware Updates<br>Automatic Firmware Recovery<br>System Lockdown                           |
| <b>PC HEALTH MONITORING</b>  |                                                                                                                                                         |
| CPU                          | 7 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory                                                                 |
| Fan                          | Fans with tachometer monitorin<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control                                        |
| Temperature                  | Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors                                                                        |
| <b>CERTIFICATIONS</b>        |                                                                                                                                                         |
| Operating Systems            | Milan: Oracle Linux 8.3, RHEL 8.3, Windows Server 2019, Windows Server 2022<br><a href="#">View all OS Compatibility and Certification Matrix</a>       |
| <b>CHASSIS</b>               |                                                                                                                                                         |
| Form Factor                  | 4U Rackmount                                                                                                                                            |
| Model                        | CSE-F418IF4-R2K20BP                                                                                                                                     |
| <b>DIMENSIONS AND WEIGHT</b> |                                                                                                                                                         |
| Height                       | 6.96" (177 mm)                                                                                                                                          |
| Width                        | 17.63" (448 mm)                                                                                                                                         |
| Depth                        | 29" (737 mm)                                                                                                                                            |
| Package                      | 15" (H) x 28.3" (W) x 42.4" (D)                                                                                                                         |
| Weight                       | Gross Weight: 204.8 lbs (90.71 kg)<br>Net Weight: 108.5 lbs (49.21 kg)                                                                                  |
| Available Color              | Silver                                                                                                                                                  |

## EXPANSION SLOTS (PER NODE)

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PCI-Express (PCIe) Configuration | Default<br>2 PCIe 4.0 x16 LP slots<br>1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)<br><a href="#">View AOC Options</a> |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|

## DRIVE BAYS / STORAGE (PER NODE)

|                          |                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drive Bays Configuration | Default: Total 4 bays 4 internal fixed 2.5" SATA drive bays<br>Option A: Total 2 bays 2 internal fixed 2.5" NVMe* drive bays<br>(*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details)<br><a href="#">View Drive Options</a> |
| M.2                      | 2 M.2 PCIe 4.0 x4 NVMe/SATA slots (M-key 2260/2280/22110)<br><a href="#">View M.2 Options</a>                                                                                                                                                                                                 |

## SYSTEM COOLING

|      |                                                                               |
|------|-------------------------------------------------------------------------------|
| Fans | Up to 8x 8cm heavy duty fans with optimal fan speed control (1 fans per node) |
|------|-------------------------------------------------------------------------------|

## POWER SUPPLY

4x 2200W  
4x 2200W Redundant (2 + 2) Titanium Level (96%) power supplies  
Dimension (WxHxL)  
76 x 40 x 336 mm

## OPERATING ENVIRONMENT

|                     |                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS                | RoHS Compliant                                                                                                                                                                                                                            |
| Environmental Spec. | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (Non-Condensing)<br>Non-operating Relative Humidity: 5% to 95% (Non-Condensing) |

## 05 Built, tested & supported by ServerInvest

### Engineered configuration

Every option validated for socket, memory channels, PCIe lanes, power and cooling.

### 48-hour burn-in

Assembled, firmware-updated and stress-tested before it leaves our workshop.

### 3-year warranty

Standard on every system, with on-site next-business-day upgrades available.

### Rack-ready delivery

Rails, cable management and labelling included — delivered across Europe.



## Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.  
[office@serverinvest.com](mailto:office@serverinvest.com)

Official manufacturer datasheet: [serverinvest.com/product/as-f1114s-ft/datasheet/manufacturer](https://serverinvest.com/product/as-f1114s-ft/datasheet/manufacturer)

