

# SuperStorage SSG-136R-N32JBF (Complete System Only)



## Key Applications

- High Throughput Ingest
- High Density Hot Storage
- HPC / Data Analytics
- Media/Video Streaming
- Content Delivery Network (CDN)
- Big Data Top of Rack Storage

## Outstanding Features

1. Supports 32 Hot-swap NVMe SSDs
2. Individual HDD power cycling
3. 4 PCI-E x16 IO ports, 2 PCI-E x16 slots
4. IPMI management with dedicated LAN
5. 1000W Redundant Power Supplies Titanium Level (96%)

## Resources

- ▶ [Manuals](#)
- ▶ [Quick Reference Guide](#)

Due to the complexity of integration, this product is sold as a completely assembled system only (including but not limited to CPU, memory, and HDDs). Please contact your Supermicro sales rep for special requirements.

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

## Specifications

### Product SKUs

- SSG-136R-N32JBF
- SSG-136R-N32JBF (Black)

### System Overview

- Form Factor and Storage
  - 1U Form factor
  - 32x 2.5" drive slots
- Switch Architecture
  - JBOF Switch
- Networking Port
  - 2 RJ45 Dedicated IPMI LAN ports
- Management Interface
  - Support for IPMI v.2.0

### Front Panel

- Buttons
  - Power On/Off button
  - Reset button
  - UID button
- LEDs
  - Power LED
  - System Status LED
  - SSD Status LED
  - Drive activity LEDs

### Chassis

- Form Factor
  - 1U Rackmount
- Model
  - CSE-136TS-R1K04JP-U2

### Dimensions and Weight

- Width
  - 17.26" (438.4mm)
- Height
  - 1.71" (43.6mm)
- Depth
  - 31.95" (811.7mm)
- Weight
  - Net Weight: 49 lbs (22.2kg)
  - Gross Weight: 65 lbs (29.5kg)

### Expansion Slots / Ports

- PCI-Express
  - 2 PCI-E 3.0 x16 slots
  - 4 PCI-E 3.0 x16 Mini-SAS HD ports

### Drive Bays

- Hot-swap
  - 32 Hot-swap 2.5" NVMe SSDs (2 sleds with 16 drives per sled)

### System Cooling

- Network activity LEDs

Fans

- 8x 40mm Hot-swap cooling fans

### Operating Environment / Compliance

- Environmental Spec.
- Operating Temperature: 10°C to 35°C (50°F to 95°F)
  - Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
  - Operating Relative Humidity: 8% to 90% (non-condensing)
  - Non-operating Relative Humidity: 5% to 95% (non-condensing)

RoHS      ▪ RoHS Compliant

EMC        ▪ FCC, CE, VCCI, C-tick

Safety     ▪ UL Listed, CB/IEC

### Power Supply

1000W Redundant Power Supplies with PMBus

Total Output Power      ▪ 800W/1000W

Dimension (W x H x L)      ▪ 73.5 x 40 x 185 mm

Input                          ▪ 100-127Vac / 9.8 - 7A / 50-60Hz  
                                       ▪ 200-240Vac / 7 - 5A / 50-60Hz

+12V                         ▪ Max: 66.7A / Min: 0A (100-127Vac)  
                                       ▪ Max: 83A / Min: 0A (200-240Vac)

12Vsb                        ▪ Max: 2.1A / Min: 0A

Output Type                ▪ 25 Pairs Gold Finger Connector

Certification



UL/cUL/CB/BSMI/CE/CCC  
Titanium Level

## Parts List

[See Parts List](#)

### Parts List - (Items Included)

	Part Number	Qty	Description
Chassis	CSE-136TS-R1K04JP-U2	1	1U 32-Bay JBOF chassis with U.2 sleds 1000W Titanium PWS
Backplane	BPN-FRU-136U2	2	Drive backplane FRU module for SC136 1U U.2 JBOF/Server
Backplane	BPN-NVME3-136PL-J	1	JBOF/NVMf controller for 1U SSG-136R-N32JBF dense storage system
Manual	MNL-2052-QRG	1	SSG-136R-N32JBF Quick Reference Guide, HF
	SFT-DCMS-SINGLE	1	Supermicro System Management Software Suite node license, HF, RoHS/REACH, PBF
Power Supply	PWS-1K04A-1R	2	1U CRPS Redundant 1000W Titanium ( 185X73.5X40mm)
FAN 1	FAN-0188L4	8	40x40x56 mm, 23.3K-20.3K RPM, Hot-swappable Counter-rotating

### Optional Parts List

	Part Number	Qty	Description
Cable	CBL-SAST-1035-1	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 1M, 30AWG, RoHS
Cable	CBL-SAST-1035-2	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 1M, 30AWG, RoHS
Cable	CBL-SAST-1036-1	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 2M
Cable	CBL-SAST-1036-2	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 2M, 30AWG, RoHS
Cable	CBL-SAST-1037-1	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 3M, 28AWG, RoHS
Cable	CBL-SAST-1037-2	-	MINI SAS HD, x8, 12G, EXT, PASSIVE, PULL, 3M, 30AWG, RoHS