

# Supermicro Embedded Server 1019S-M2

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## Highlights

Compact server for military, medical, and industrial automation & control

- 1U short depth chassis
- No front I/O access
- Long product life cycle
- 400W platinum power supply
- Option for 2nd redundant PSU or battery backup unit
- Build-to-order configured to the requirements



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Supermicro Embedded Server 1019S-M2

## Specifications

### Model Type

Embedded server

### Form Factor

1U rackmount

### Cooling

4 x 40mm x 56mm PWM fan (2 x fans for AOC cooling)

### Environment

Operating temperature 0°C to 40°C

Non-operating temperature -40°C to 70°C

Operating humidity 8% to 90% (non-condensing)

Non-operating humidity 5% to 95% (non-condensing)

### Processor

Intel 6th / 7th gen Core i3 / i5 / i7, Intel Celeron, Pentium, CPU TDP (support up to 80W TDP)  
Single socket H4 (LGA 1151)

### Chipset

Intel® Q170 express

### RAM

Memory capacity 4 x 288pin DDR4 DIMM slots up to 64GB DDR4 non-ECC UDIMM

Memory type 2400 / 2133 / 1866 / 1600MHz non-ECC DDR4 SDRAM 72bit, 288pin (UDIMM) gold-plated DIMMs

DIMM sizes 4GB / 8GB / 16GB

Memory voltage 1.2V

### Storage

2 x Fixed 2.5" SATA3 drive bays

### Input / Output

Rear 2 x RJ45 gigabit, 1 x RJ45 dedicated IPMI  
1 x VGA connector, 1 x superDOM  
2 x USB 3.0, 3 x USB 2.0 (2 x rear, 1 x type A)

Internal 10 x SATA3 (6Gbps) ports, RAID 0 / 1  
2 x serial header

### Expansion

1 x PCI-E 3.0 x16 (in x16 slot)

### Operating System

WHQL  
RHEL / Ubuntu / SUSE

### Power Supply

400W platinum level power supply with PMBus & I2C

AC input 400W 100V to 240V, 50 to 60Hz

DC output +5V standby 3 Amp

DC output +12V 33 Amp

### Dimension and Weight

H 43 x W 437 x D 429mm 13.8kg

### Accessories Included

1 x Y split, big 4pin to 2 x RA SATA power extension 15cm, 18AWG

2 x SATA, INT, round, ST - RA, 48cm, 26AWG

4 x 4pin to 4pin fan extension cord for PWM fan, 23cm, 24AWG

1 x PWEX, 2x4M / P4.2 to 2x4F / P4.2, 12V, BLK4, YEL4, 20cm, 18AWG

1 x 1U passive CPU HS for Intel LGA1156

1 x AC & DC 240V input, 400W, platinum level redundancy power supply (meet PMBus revision 1.2 requirement) RoHS / REACH

### Accessories Optional

AC & DC 240V input, 400W platinum level redundancy power supply (meet PMBus revision 1.2 requirement) RoHS / REACH

Battery backup unit

### Warranty and After Sales Support



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Standard 1 year hardware warranty for barebone

3 year hardware warranty & 1 year cross shipment for complete system CPU / MEM / DISK

Option for 5 year hardware warranty & 1 year cross shipment / 3 year hardware warranty & 3 year cross shipment

