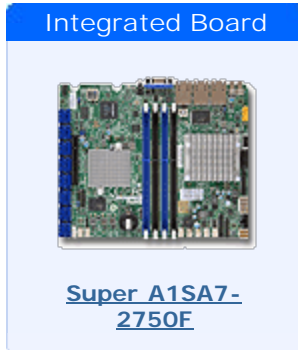


# SuperStorage Server 5018A-AR12L (Complete System Only)



**Super A1SA7-2750F**

Due to the complexity of integration, this product is sold as completely assembled systems only (including but not limited to CPUs, memory, and 12 HDDs). Please contact your Supermicro sales rep for special requirements.

## Key Features

1. Single socket FCBGA 1283 supports Intel® Atom® processor C2750
2. System on Chip
3. 12x 3.5" Hot-swap HDD bays
4. Up to 64GB Unbuffered ECC/non-ECC DDR3 1600MHz in 4x DIMM slots
5. 1x PCI-E 2.0 x4 (in x8, LP, HL)
6. Dual GbE LAN ports with SoC
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. I/O ports: IPMI, 2x GbE, VGA
9. 400W High-efficiency redundant short depth Power Supplies



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

## Specifications

### Product SKUs

SSG-5018A-AR12L	▪ SuperServer 5018A-AR12L
-----------------	---------------------------

### Motherboard

Super A1SA7-2750F

### Processor/Cache

CPU	<ul style="list-style-type: none"> <li>▪ Intel® Atom™ Processor C2750</li> <li>▪ CPU TDP 20W (8-Core)</li> <li>▪ FCBGA 1283</li> <li>▪ System-on-Chip</li> </ul>
-----	--

### System Memory

Memory Capacity	<ul style="list-style-type: none"> <li>▪ 4x 240-pin DDR3 DIMM slots</li> <li>▪ Supports up to 64GB DDR3 ECC or non-ECC UDIMM memory</li> </ul>
Memory Type	▪ 1600/1333MHz ECC DDR3 SDRAM, 204-pin gold-plated DIMMs
DIMM Sizes	▪ 16GB, 8GB, 4GB, 2GB

### Chassis

Form Factor	▪ 1U Rackmount
Model	▪ CSE-801LTS-R406P

### Dimensions and Weight

Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 32" (813mm)
Gross Weight	▪ 38 lbs (16.5kg)

### Front Panel

Buttons	▪ Power On/Off button
LEDs	▪ Network activity LEDs

### Expansion Slots

PCI-Express	▪ 1x PCI-E 2.0 x4 (in x8, Low-profile, Half-height) slot
-------------	--

### Drive Bays

On-Board Devices	
<b>Chipset</b>	▪ Intel® C232 chipset
<b>SATA</b>	▪ SATA3 (6Gbps) via C232 controller ▪ RAID 0, 1, 5, 10 support
<b>IPMI</b>	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ ASPEED AST2400 BMC
<b>Network Controllers</b>	▪ Dual Intel® I210-AT Gigabit Ethernet LAN ports ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
<b>Video</b>	▪ ASPEED AST2400 BMC
Input / Output	
<b>SATA</b>	▪ 2x SATA3 (6Gbps) ports
<b>LAN</b>	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 1x RJ45 Shared IPMI LAN port
<b>USB</b>	▪ USB 3.0 ▪ 2x USB 2.0 ports
<b>Video</b>	▪ 1x VGA port
<b>Serial Port / Header</b>	▪ 1x COM ports (1 rear)
<b>SuperDOM</b>	▪ 2x <u>SuperDOM</u> (Disk on Module) ports with built-in power
PC Health Monitoring	
<b>Voltage</b>	▪ Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
<b>FAN</b>	▪ Total of 4 fan headers supporting up to 4 fans ▪ 4 fans with tachometer status monitoring ▪ Status monitor for speed control ▪ Status monitor for on/off control ▪ Low noise fan speed control ▪ Pulse Width Modulated (PWM) fan connectors
<b>Temperature</b>	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ I <sup>2</sup> C temperature sensing logic ▪ Thermal Monitor 2 (TM2) support ▪ PECI
<b>LED</b>	▪ CPU / System Overheat LED ▪ Suspend static indicator LED ▪ UID/Remote UID
<b>Other Features</b>	▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ Chipkill support ▪ RoHS, Halogen Free

**PCI-Express** ▪ 1x PCI-E 3.0 x8 AOC slot

#### Drive Bays

**Hot-swap** ▪ 1x 3.5" or 2x 2.5" internal drive bays

#### Peripheral Drives

**Optional** ▪ 2x 2.5" Fixed drives internal

#### System Cooling

**Fans** ▪ 2x 40x28mm 4-pin PWM Cooling Fans

#### Power Supply

200W Low Noise AC-DC power supply with PFC

**AC Voltage** ▪ 100 - 240V, 50-60Hz, 2.6 Amp Max

**+5V** ▪ 8.0 Amp (max.)

**+5V standby** ▪ 2.0 Amp (max.)

**+12V** ▪ 16 Amp (max.)

**-12V** ▪ 0.5 Amp (max.)

**+3.3V** ▪ 8.0 Amp (max.)



**Certification**

**Gold Certified**

#### System BIOS

**BIOS Type** ▪ 8MB SPI Flash EEPROM with AMI BIOS

#### BIOS Features

- DMI 2.3
- PCI 2.3
- ACPI 1.0 / 2.0
- USB Keyboard support
- SMBIOS 2.3

#### Operating Environment / Compliance

**RoHS** ▪ RoHS Compliant

#### 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)

#### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X11SSL-F	1	Super X11SSL-F Motherboard
	CSE-510-203B	1	1U Chassis
<b>Cable 1</b>	CBL-0061L	1	35CM end to end, SATA CABLE, PB FREE, 26AWG, flat
<b>Manual</b>	MNL-1796-QRG	1	5019S-L, QRG, HF, RoHS/REACH
<b>Heatsink / Retention</b>	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
<b>Power Supply</b>	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS