Solutions



SUPERMICE

Available Colors:

SuperServer 5018A-MHN4





USB 2.0

Serial ATA

Serial Port

LAN

USB

DOM

VGA

Others

Input / Output

Video

C2000 SoC

1x VGA Port

TPM 1.2 header

ASPEED AST 2400 BMC

2x SATA3 (6Gbps) ports

4x SATA2 (3Gbps) ports

BMC integrated ASPEED AST2400

4x RJ45 Gigabit Ethernet LAN ports

7x USB 2.0 ports (4 rear, 1 Type A, 2 via header)

1x SATA DOM (Disk on Module) power connector

2x Fast UART 16550 Serial Port (1 rear, 1 via header)

1x RJ45 Dedicated IPMI LAN port

Integrated Board A1SRM-2758F

Black

<u>Drivers & Utilities</u> <u>BIOS</u> <u>IPMI</u> <u>Tested Memory</u> <u>Manuals</u> <u>OS Certification Matrix</u> <u>Quick-References Guide</u> <u>Drive Options</u>

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

Key Features

- **Atom Rangeley Solution with** Embedded long life support Space-efficient, compact design Fast to build and deploy Gateway, file-sharing, security
- 1. Intel® Atom processor C2758, SoC, FCBGA 1283, 20W 8-Core
- 2. Intel® System-on-Chip Design
- 3. 4x 3.5" SATA HDD Bays
- 4. 1x PCI-E 2.0 x8 slot
- 5. Up to 64GB DDR3 1600MHz ECC or non-ECC UDIMM in 4 DIMM slots
- 6. Quad GbE ports, IPMI w/ dedicated LAN
- 7. DOM power connector
- 8. 200W Low-noise power supply w/ PFC
- 9. Support Intel® QuickAssist Acceleration Technology



Specifications ^				
Product SKUs		Chassis		
SYS-5018A-MHN4	SuperServer 5018A-MHN4 (Black)	Form Factor	1U Rackmount	
Motherboard		Model	CSE-813MTQ-202CB	
Super A1SRM-2758F		Dimensions and Weight		
Processor/Cache		Height Width	1.7" (43mm) 17.2" (437mm)	
CPU	Intel® Atom® Processor C2758	Depth	19.8" (503mm)	
	PU TDP 20W (8-Core) CBGA 1283 ystem-on-Chip	Net Weight: 8 lbs (3.62 kg) Gross Weight: 31 lbs (14.1 kg)		
Custom Mamanu	System on emp	Available Colors	Black	
System Memory		Front Panel		
Memory Capacity	4x 240-pin DDR3 UDIMM slot Supports up to 64GB DDR3 ECC or non-ECC memory	Buttons	Power On/Off button System Reset button	
Memory Type	1600/1333MHz ECC or non-ECC DDR3 SDRAM, 240-pin gold- plated DIMMs, x8 width only	LEDs	Power LED	
DIMM Sizes	16GB, 8GB, 4GB, 2GB		Hard drive activity LED	
Memory Voltage	1.5 V, 1.35 V		2x Network activity LEDs System Overheat LED	
On-Board Devices		Expansion Slots		
SATA	SoC SATA3 (6Gbps), SATA2 (3Gbps)	PCI-E	1x PCI-E 2.0 x8 slot via riser	
Network Controllers	C2000 SoC I354 Quad GbE Controller (MACs) Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output	Drive Bays		
		HDD	4x 3.5" Hot-swap SATA2 hard drive bays	
ІРМІ	Support for Intelligent Platform Management Interface v.2.0	Power Supply		

IPMI 2.0 with virtual media over LAN and KVM-over-LAN	
support	200W Low Noise AC-DC power supply with PFC

AC Voltage 100 - 240V, 50-60Hz, 3-1.5 Amp Max

16.0 Amp +5V +5V standby 2.0 Amp 15.0 Amp +12V

0.8 Amp -12V 17.0 Amp +3.3V

System BIOS

128Mb SPI Flash EEPROM with AMI UEFI BIOS **BIOS Type** Plug and Play (PnP) **BIOS Features**

DMI 2.3

ACPI 5.0 USB Keyboard support

SMBIOS 2.7.1 UEFI

Operating Environment / Compliance

RoHS Compliant RoHS

Operating Temperature: **Environmental Spec.** 10°C to 35°C (50°F to 95°F)

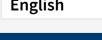
Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List ^

Parts List - (Items Included)					
	Part Number	Qty	Description		
Motherboard / Chassis	MBD-A1SRM-2758F CSE-813MTQ-202CB	1 1	Super A1SRM-2758F Motherboard 1U Chassis		
Backplane	BPN-SAS-815TQ	1	4-port 1U TQ backplane (W/ enclosure management), support up to 4x 3.5-inch SAS/SATA HDD		
Cable 1	CBL-0180L-01	1	SATA,INT,ROUND,SET OF 4,ST-RA 70/59/48/38CM,26AWG		
Manual	MNL-1579-QRG	1	CSE-813MTQ-202CB, A1SRM-2758F		
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8		
Power Supply	PWS-351-1H	1	1U 350W MULTI OUTPUT 80PLUS GOLD PWS		









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