

# SuperServer 5019A-FTN10P



### Key Applications

- Network Security Appliance
- Edge Computing Server
- Virtualization Server

### Key Features

- Intel® Atom® processor C3758, Single socket FCBGA 1310; 8-Core, TDP 25W
- 1x 3.5" or 4x 2.5" internal drive bays
- 1 PCI-E 3.0 x4, 1 M.2 (M-Key 2242/2280, SATA3/PCI-E 3.0 x2), 1 M.2 (B-Key 3042/2280, SATA3/PCI-E 3.0 x2/USB 3.0)
- Up to 256GB ECC RDIMM DDR4 2400MHz or 64GB ECC/non-ECC UDIMM in 4 DIMM slots
- 8 RJ45 GbE LAN, 2 SFP GbE LAN, 1 dedicated IPMI RJ45 GbE LAN
- 2 USB 3.0, 1 VGA, 1 SuperDOM, TPM
- 2x 40x28mm 4-pin PWM fans, optional 1x 40x28mm 4-pin fan
- 200W Low-noise AC-DC power supply

Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

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

## Specifications ^

Product SKUs		<b>SYS-5019A-FTN10P</b> SuperServer 5019A-FTN10P (Black)
Motherboard		<b>Super A2SDV-8C-LN10PF</b>
Processor		<b>CPU</b> Intel® Atom® processor C3758 FCBGA 1310 supported CPU TDP support 25W
System Memory		<b>Memory Capacity</b> 4x DDR4 DIMM sockets Supports up to 256GB DDR4 ECC RDIMM Supports up to 64GB DDR4 ECC/non-ECC UDIMM <b>Memory Type</b> 2400/2133/1866/1600MHz ECC DDR4 SDRAM <b>DIMM Sizes</b> 64GB, 32GB, 16GB, 8GB, 4GB <b>Memory Voltage</b> 1.2 V <b>Error Detection</b> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices		<b>SATA</b> SoC controller for 5 SATA3 (6Gbps) ports <b>Network Controllers</b> Quad GbE LAN with Intel® C3000 SoC Quad GbE LAN with Intel® Ethernet Controller I350-AM4 Dual SFP GbE LAN with Intel® Ethernet Controller I210-IS <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 <b>Graphics</b> BMC integrated ASPEED AST2400
Input / Output		<b>SATA</b> 5 SATA3 (6Gbps) ports <b>LAN</b> 8 RJ45 Gigabit Ethernet LAN ports 2 SFP Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port <b>USB</b> 2 USB 3.0 ports (rear) <b>Serial Port</b> 1 COM port (optional) <b>DOM</b> 1 SATA DOM (Disk on Module) power connector <b>VGA</b> 1 VGA Port <b>Others</b> TPM header
Chassis		<b>Form Factor</b> 1U Rackmount <b>Model</b> <b>CSE-505-203B</b>
Dimensions and Weight		<b>Height</b> 1.7" (43mm) <b>Width</b> 17.2" (437mm) <b>Depth</b> 9.8" (249mm) <b>Weight</b> Net Weight: 8 lbs (3.62 kg) Gross Weight: 12 lbs (5.44 kg) <b>Available Colors</b> Black
Front Panel		<b>Buttons</b> Power On/Off button System Reset button <b>LEDs</b> Power LED Hard drive activity LED Network activity LEDs System Information LED Information LED (temp., status)
Expansion Slots		<b>PCI-E</b> 1 PCI-E 3.0 x4 slot 2 M.2 (1 M-Key 2242/2280 SATA3/PCI-E 3.0 x2 ,1 B-Key 3042/2280 SATA3/PCI-E 3.0 x2/USB 3.0)
Drive Bays		<b>HDD</b> 1x 3.5" or 4x 2.5" internal hard drive bays (optional) *
System Cooling		<b>Fans</b> 2x 40x28mm 4-PIN PWM Fan, Optional 1x 40x28mm 4-PIN PWM Fan
Power Supply		200W Low Noise AC-DC power supply with PFC <b>AC Voltage</b> 100 - 240V, 50-60Hz, 2.6 Amp Max <b>+5V</b> 8.0 Amp (max.) <b>+5V standby</b> 2.0 Amp (max.) <b>+12V</b> 16 Amp (max.) <b>-12V</b> 0.5 Amp (max.) <b>+3.3V</b> 8.0 Amp (max.) <b>Certification</b> <b>Gold Certified</b>
System BIOS		<b>BIOS Type</b> AMI UEFI BIOS <b>BIOS Features</b> UEFI 2.4 SMBIOS 2.7.1
Operating Environment / Compliance		<b>RoHS</b> RoHS Compliant <b>Environmental Spec.</b> Operating Temperature: 0°C to 40°C (32°F to 104°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
<b>Motherboard / Chassis</b>	MBD-A2SDV-8C-LN10PF	1	Super A2SDV-8C-LN10PF Motherboard
	CSE-505-203B	1	1U Chassis
<b>FAN 1</b>	FAN-0065L4	3	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
<b>Rear Window</b>	MCP-240-00091-0N	2	1U universal riser card bracket for standard chassis,HF,RoHS/REACH,PBF
<b>Parts</b>	MCP-260-00135-0B	1	1U 504/505/510 I/O Shield for A2SDV-LN10PF with EMI Gasket
<b>Fan Holder</b>	MCP-320-81302-0B	3	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
<b>Riser Card</b>	RSC-RR1U-E8	1	RSC-RR1U-E8
<b>Power Supply</b>	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

  

Optional Parts List			
	Part Number	Qty	Description
<b>HDD Bracket</b>	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U
<b>Rack Mount Kit</b>	MCP-290-50404-0N	-	Rack Mount Kit for CSE-504-203B
<b>SuperDOM</b>	-	-	Supermicro SATA DOM Solutions <a href="#">[Details]</a>

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