



SuperServer E200-8B



- Key Features
- Compact Embedded System
 - Long Life Cycle Support
 - Digital Signage, Indoor Kiosk
- Single socket FCBGA1170 supports Intel® Celeron™ J1900 (10W, 4C)
 - Intel® Silvermont microarchitecture 22nm System-on-Chip
 - 1x 2.5" internal drive bay (HDD thickness can't exceed 9.5mm)
 - Up to 8GB 1333MHz DDR3 Non-ECC SO-DIMM in 2 socket
 - 1x Mini-PCIe and 1x mSATA slot, 2x SATA 2.0, 4x SATA 3.0 (RAID 0, 1, 10)
 - I/O ports: 2x GbE, 1x HDMI, 1x Display Port, 1x VGA
 - 1x USB 3.0 and 1x USB 2.0 ports
 - 1x 4cm high performance PWM fan
 - 1x SATA DOM support
 - 60W DC power adapter

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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	
SYS-E200-8B	SuperServer E200-8B (Black)
Motherboard	
Super X10SBA	
Processor/Cache	
CPU	Socket FCBGA1170 Intel® Celeron Processor J1900 2M Cache, up to 2.42 GHz, 10W (formerly Bay Trail)
System Memory	
Memory Capacity	2x 204-pin SO-DIMM slot Supports up to 8GB non-ECC DDR3 1333MHz memory (Dual Channel) Some 1600MHz memory can be used, but memory capacity will operate at 1333MHz
Memory Type	1333/1066MHz DDR3 SO-DIMM, 204-pin gold-plated DIMMs
DIMM Sizes	4GB, 2GB
Memory Voltage	1.35 V
On-Board Devices	
Chipset	Intel® J1900 System on Chip
SATA	SATA 2.0 (3Gbps) from Intel® SoC SATA 3.0 (6GbpS) from Marvell 88SE9230 with HW RAID 0, 1, 10 (Windows only)
Network Controllers	Dual Intel® I210-AT Gigabit Ethernet LAN ports
Graphics	Intel® HD Graphics
USB 3.0	Intel® SoC
COM Ports	Nuvoton NCT5104D
Input / Output	
Serial ATA	4x SATA3 (6Gbps) ports 2x SATA2 (3Gbps) ports
LAN	2x RJ45 Gigabit Ethernet LAN ports
USB	1x USB 3.0 port 1x USB 2.0 port
Display	1x Display Port, 1x HDMI, 1x VGA, 2x Independent Displays
DOM	DOM (Disk on Module) power connector support
Others	TPM 1.2 header

Chassis	
Form Factor	Mini-ITX
Model	CSE-101S
Dimensions	
Width	7.68" (195mm) / 15" (381mm) - pkg.
Height	1.7" (43mm) / 10.87" (276mm) - pkg.
Depth	7.68" (195mm) / 5.59" (142mm) - pkg.
Weight	Gross Weight: 5.75 lbs (2.6 kg) Net Weight: 3.86 lbs (1.75 kg)
Available Colors	Black
Front Panel	
Buttons	Power On/Off button
LEDs	Power LED (Hard drive activity LED)
Expansion Slots	
Mini-PCI-E	1x Mini-PCIe slot
mSATA (2.0)	1x mSATA slot (SATA 2.0)
Drive Bays	
Internal	1x 2.5" HDD tray (HDD thickness can't exceed 9.5mm)
System Cooling	
Fans	1x 4cm cooling fan
Power Supply	
60W DC Power Adapter	
System BIOS	
BIOS Type	64Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features	Plug and Play (PnP) ACPI 5.0 UEFI 2.3.1 SMBIOS 2.7 DMI 2.3 USB Keyboard support RTC (Real time Clock) Wakeup 3TB HDD Support
Management	
Software	SuperDoctor® 5 Watch Dog
Power Configurations	ACPI / ACPM Power Management Main Switch Override Mechanism Keyboard Wakeup from Soft-Off Power-on mode for AC power recovery
Fan	Fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Operating Environment / Compliance	
RoHS	RoHS Compliant
Environmental Spec.	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: 10% to 85% (non-condensing) Non-operating Relative Humidity: 10% to 95% (non-condensing)

Parts List ^

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10SBA	1	Super X10SBA Motherboard
	CSE-101S	1	Embedded Mini-ITX Chassis
Power Adapter	MCP-250-10134-0N	1	60W Lockable Power Adapter w/o power cord - EN62368

Optional Parts List			
	Part Number	Qty	Description
Dual System Tray	MCP-290-10108-0B	-	CSE-101 series 1U Dual System Tray Bracket
FAN kit	MCP-320-10102-0N	-	Additional side fan kit (FAN-0170L4) for SC101S

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