

SuperServer E200-8B



Integrated Board



Super X10SBA

Key Features

- Compact Embedded System
- Long Life Cycle Support
- Digital Signage, Indoor Kiosk

1. Single socket FCBGA1170 supports Intel® Celeron™ J1900 (10W, 4C)
2. Intel® Silvermont microarchitecture 22nm System-on-Chip
3. 1x 2.5" internal drive bay (HDD thickness can't exceed 9.5mm)
4. Up to 8GB 1333MHz DDR3 Non-ECC SO-DIMM in 2 socket
5. 1x Mini-PCle and 1x mSATA slot, 2x SATA 2.0, 4x SATA 3.0 (RAID 0, 1, 10)
6. I/O ports: 2x GbE, 1x HDMI, 1x Display Port, 1x VGA
7. 1x USB 3.0 and 1x USB 2.0 ports
8. 1x 4cm high performance PWM fan
9. 1x SATA DOM support
10. 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
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Operating Environment / Compliance

RoHS	■ RoHS Compliant
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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)
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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-250-10117-0N	1	60W DC power adapter

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