

SuperServer E100-9APP

Key Features

- IoT Gateway for Smart Factory/Building/Home
 - Kiosk, Interactive information system
 - Environmental Monitor
1. Intel® Pentium™ processor N4200, Single Socket FCBGA 1296
 2. System-on-Chip
 3. 1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)
 4. 1 non-ECC DDR3L SODIMM up to 8G
 5. 1 Full size Mini-PCIe
 6. Dual GbE LAN ports via Intel I210-AT
 7. 1 HDMI, 1 VGA, 1 Intel® HD Graphics
 8. 1 USB 3.1, 2 USB 3.0, 4 USB 2.0, 4 COM, ALC 888S HD Audio
 9. Fanless design
 10. Lockable 12V DC 40W power adapter



Specifications

Product SKUs	SYS-E100-9APP	SuperServer E100-9APP (Black)
Motherboard	Super X11SAN	
Processor/Cache	CPU	Intel® Pentium™ Processor N4200 FCBGA 1296 System-on-Chip CPU TDP support 6W
System Memory	Memory Capacity	1x 204-pin DDR3L SO-DIMM socket
	Memory Type	1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3L, 204-pin gold-plated DIMMs
	DIMM Sizes	8GB, 4GB, 2GB
	Memory Voltage	1.35 V
On-Board Devices	Network Controllers	Dual GbE LAN with Intel i210-AT controller
Input / Output	LAN	2 RJ45 Gigabit Ethernet LAN ports
	USB	1 USB 3.1 (Type C, front) 2 USB 3.0 (front) 4 USB 2.0 (rear)
	COM Port	4 COM ports (4 headers); 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control
	Video	1 VGA, 1 HDMI, 1 Intel HD Graphics
	Others	1 DIO via DB9
	Chassis	Form Factor
Front Panel	Model	CSE-E101
	Buttons	Power On/Off button
Expansion Slots	LEDs	Power LED and Hard drive activity LED
	PCI-Express	1 Full size Mini-PCIe (1 USB 2.0, 1 PCIe Gen2)
Drive Bays	Internal	1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket))
System Cooling	Fans	Fan-less design
Power Supply	Lockable 12V DC 40W power adapter	
System BIOS	BIOS Type	64Mb SPI Flash EEPROM with AMI UEFI BIOS
	BIOS Features	Plug and Play (PnP) DMI 2.3 ACPI 5.0 USB Keyboard support SMBIOS 2.7.1 UEFI
Management	Software	SuperDoctor® 5 Watch Dog
	Power Configurations	ACPI Power Management ATX Power connector Control of power-on for recovery from AC power loss CPU thermal trip support for processor protection
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: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing) Operational Vibration, IEC 60068-2-64, 5 Grms, random, 5~500 Hz, 1hr/axis Operational Shock, IEC 60068-2-27, 30G, half sine, 11ms