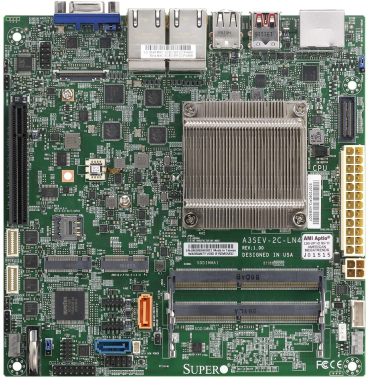


# A3SEV-2C-LN4



## Embedded Quad 1GbE LAN Dual Core

### Key Features

- Intel® Atom® Processor x6211E.
- Socket FCBGA-1493 supported, CPU TDP supports Up to 6W TDP
- Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-3200MHz, in 2 DIMM slots
- 1 PCIe 3.0 X2 (in x8 slot)
- 1 M.2 B-Key SATA/PCIe 3.0 x2/USB 3.0, 3042/2280
- 1 M.2 E-Key PCIe 3.0 x1/USB 2.0, 2230
- Single LAN with Intel® Ethernet Controller I210IT
- ONLY i210 support PXE
- 3 LAN with 1GbE with Marvell® 88E1512
- System on Chip
- 1 DP (DisplayPort) port, 1 HDMI port, 1 VGA port or 1 eDP (Embedded DisplayPort) port, Supports 3 independent displays

### Specifications

<b>Product SKUs</b> MBD-A3SEV-2C-LN4
<b>Physical Stats</b> <b>Form Factor</b> Mini-ITX
<b>Dimension</b> 6.7" x 6.7" (17.02cm x 17.02cm)
<b>Processor</b> <b>CPU</b> Intel® Atom® Processor x6211E
<b>Core</b> Up to 2 cores, 2 threads
<b>System Memory</b> <b>Memory Capacity</b> 2 DIMM slots Up to 32GB Unbuffered non-ECC SODIMM, DDR4-3200MHz
<b>Memory Type</b> 3200 MT/s non-ECC DDR4 SODIMM Unbuffered 3200MHzMT/s 260pin up to 32GB
<b>DIMM Sizes</b> 8GB, 16GB
<b>Memory Voltage</b> 1.2V
<b>On-Board Devices</b> <b>Chipset</b> System on Chip
<b>Audio</b> ALC 888S HD Audio
<b>Graphics</b> 1 Intel® HD Graphics port(s)
<b>Network Controllers</b> Single LAN with Intel® Ethernet Controller I210IT, ONLY i210 support PXE 3 LAN with 1GbE with Marvell® 88E1512
<b>Input / Output</b> <b>SATA</b> 2 SATA3 (6Gbps) port(s)
<b>LAN</b> 4 RJ45 Gigabit Ethernet LAN ports
<b>USB</b> 2 USB 3.1 Gen2 port(s) (2 rear type A) 6 USB 2.0 port(s) (4 via header; 2 rear)
<b>Video Output</b> 1 VGA port(s), 1 DP (DisplayPort) port(s), 1 HDMI port(s), 1 eDP (Embedded DisplayPort) port(s)
<b>Serial Port</b> 4 COM Port(s) (4 header)
<b>TPM</b> 1 TPM Header & Chip both

<b>Expansion Slots</b> <b>PCIe</b> 1 PCIe 3.0 X2 (in x8 slot)
<b>M.2</b> M.2 Interface: 1 SATA/PCIe 3.0 x2/USB 3.0; 1 PCIe 3.0 x1/USB 2.0 Form Factor: 3042/2280, 2230 Key: B-Key, E-Key
<b>System BIOS</b> <b>BIOS Type</b> AMI UEFI
<b>BIOS Features</b> ACPI 6.2 or later UEFI 2.7 Plug and Play (PnP) SMBIOS 3.3 or later DMI 2.3 USB Keyboard support RTC (Real Time Clock) Wakeup
<b>Management</b> <b>Software</b> SuperDoctor® 5, Watchdog
<b>Power Configurations</b> ACPI Power Management, +12V DC Power Input
<b>PC Health Monitoring</b> <b>Voltage</b> VBAT, System temperature, System level control, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages
<b>LED</b> Standby alert LED CPU / System Overheat LED
<b>Temperature</b> Monitoring for CPU and chassis environment CPU thermal trip support
<b>FAN</b> Thermal control tachometer fan connectors, System level control, PWM fan speed control, Low noise fan speed control, Fan speed control, Dual Cooling Zone, Overheat LED indication
<b>Other Features</b> WOL, System level control, RoHS, CPU thermal trip support for processor protection, Chassis intrusion header, ATX Power connector, ACPI power management, 12V DC or ATX Power Source, 4-pin 12v DC power connector
<b>Operating Environment</b> <b>Operating Temperature Range</b> -30°C - 70°C (-22°F - 158°F)
<b>Non-Operating Temperature Range</b> -40°C - 85°C (-40°F - 185°F)
<b>Operating Relative Humidity Range</b> 8% - 90% (non-condensing)
<b>Non Operating Relative Humidity Range</b> 10% - 95% (non-condensing)

## Parts List

### Standard Parts (Bulk Package)

#### I/O Cables

Part Number	CBL-0044L • <a href="#">eStore</a> ( <a href="https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html">https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html</a> ).
Qty	1
Description	57.5CM SATA FLAT S-S PBF

#### I/O Shield

Part Number	MCP-260-00058-0N
Qty	1
Description	Standard I/O Shield for A2SAV with EMI Gasket

### Standard Parts (Retail Package)

#### I/O Cables

Part Number	CBL-0044L • <a href="#">eStore</a> ( <a href="https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html">https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html</a> ).
Qty	2
Description	57.5CM SATA FLAT S-S PBF

#### I/O Shield

Part Number	MCP-260-00058-0N
Qty	1
Description	A3SEV standard 2U I/O Shield

#### QRG

Part Number	MNL-2355-QRG
Qty	1
Description	Motherboard Quick Reference Guide

### Optional Parts

#### 1U I/O Shield

Part Number	MCP-260-00068-0B
Qty	1
Description	1U I/O Shield for A2SAV with EMI Gasket in CSE-510/505/504

#### Audio Cable

Part Number	CBL-OTHR-0985
Qty	1
Description	Audio Cable 30cm

#### COM Port Cable

Part Number	CBL-CDAT-0685
Qty	1
Description	COM Cable 30cm

#### SATA Cables

Part Number	CBL-0044L • <a href="#">eStore</a> ( <a href="https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html">https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html</a> ).
Qty	1
Description	57.5CM SATA FLAT S-S PBF

#### SATA Power Cable

Part Number	CBL-PWEX-0982
Qty	1
Description	SATA Power Cable 25cm

#### USB Cable

Part Number	CBL-CUSB-0983
Qty	1
Description	USB2.0 cable 20cm