

Embedded 8-Core Snow Ridge Intel OAT 8x 1GbE LAN 2x 25G SFP28,IPMI 2.0

## **Key Features**

System on Chip

Intel Atom Processor P5322,

Single Socket FCBGA-2106 supported,

CPU TDP support 55 W

Intel Quick Assist Technology

Up to 256GB ECC RDIMM DDR4-2400MHz, in 4 DIMM slots

2x 25G SFP28 ports and 8 GbE RJ45 LAN ports

Supports 12V DC power input

2 USB 3.0 (Type-A on rear)

2 USB 2.0 (via headers)

## M.2 Interface:

1x M.2 B-Key 2242/3042/2280 w/PCIe 2.0 x2/SATA 2.0/USB 3.0

1x M.2 M-Key 2242/2280/22110 w/PCIe 2.0 x4/SATA 2.0/USB 2.0

1x M.2 E-Key 2230 w/PCle 2.0 x1/USB 2.0

Expansion slots:

1 PCIe 3.0 x8

1 PCIe 3.0 x4

Up to 6 SATA 2.0 ports

I/O: 1 VGA, 2 COM, TPM 2.0 onboard and header both

## **Specifications**

Product SKUs MBD-A3SSV-8C-SPLN10F

Physical Stats
Form Factor
Flex ATX
Dimension
9" x7.25" (22.86cm x18.42cm)

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On-Board Devices
Chipset
System on Chip
SATA
Soc Controller for 6 SATA2 (3 Gbps) ports
IPMI
ASPEED AST2500
Graphics
1ASPEED AST2500 BMC port(s)
Network Controllers
Quad LAN with Marvell\* Alaska\* 88E1543
Quad LAN with Intel\* 250 Gigabit
Ethernet Controllers
Dual LAN with 50C
Imput/ Qutyout

Dual LAN with SoC
Input ( Output
LAN
25F928 25 Gigabit Ethernet LAN ports
1 R.145 Bedicated IPMI LAN port
8 R.145 Gigabit Ethernet LAN ports
USB
2 USB 2.0 port(s) [2 via header)
2 USB 3.1 Gen1 port(s) (2 rear type A)
video Output
1 VGA D-Sub Connector port(s)
Serial Port
2 COM Port(s) (2 header)

DOM

1 SuperDOM (/SATADOM/) (Disk on Module) power connector

TPM 1 TPM Header & Chip both

Expansion Slots
PCIe
1PCIe 3.0x8,
1PCIe 3.0x8
1 PCIe 3.0x9
M.2 Interface: 1PCIe 2.0x2/SATA 2.0/USB 2.0x1 PCIe 2.0 xx/SATA 2.0/USB 2.0x1 PCIe 2.0 xx/SATA 2.0/USB 2.0x1 PCIe 2.0 xx/SATA 2.0/USB 2.0x1 PCIe 2.0x1

System BIOS BIOS Type 32MB AMI UEFI BIOS Features

UEF12.7 SMBIOS 3.0 or lat ACP16.0 or later

Redfish API

(/manuals/other/RedfishRefGuide.

pdf), Supermicro Server Manager (SSM), (/solutions/SMS\_SSM.cfm), Supermicro Update Manager (SUM), (/solutions/SMS\_SUM.cfm).

SuperDoctor® 5 (/en/solutions/management-

software/superdoctor), Super

software/superdoctor). Super Diagnostics Offline (/en/solutions/management-software/super-diagnostics-offline). KVM with dedicated LAN (/manuals/other/BMC\_IPMI\_X13\_ H13\_pdfffpage=112). IPMI\_2.0

H13,Qtfffpage=112), IPMI\_ZU (/Solutions/PMI\_cfm) System Management Software PMI (Intelligent Platform Managemen Interface) v1.5/2.0 with KVM support Power Configurations Power-on mode for AC power recove ATX Power connector, +12V DC Power Input, CPU themal trip support for processor protection

Input, CPU themmal trip support for processor protection

Security

Hardware

Trusted Platform Module (TPM) 2.0

Features

Cryptographically Signed Firmware Secure Boot
Secure Firmware Updates

System Lockdown

PC Health Monitoring

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TO CPUI HOMBING JOS (PCH),

+SY standby, +SY, +3.3V, +12V

LED

UID/Remote UID

Temperature

Themparature

Thempar

Thermal Control for 5 Fan Connectors CPU thermal trip support FAN 5x4-pin fan headers (up to 5 fans) 5x4-pin fan headers (up to 5 fans) Fan speed control, Dual Cooling Zone, 5 fans with tachometer status monitoring. Status monitoring for speed control, Pulse Width Modulated (PWM) fan connectors, Support3-pin fans (w/o speed control)

Conliecture, sepect control)
Other Features
UID, RoHS, Node Manager Support, M.2
NGFF connector, Dual Cooling Zones,
Chassis intrusion header, ATV Power
connector, ACPI power management, 8pin 124 VC Downer connector, 12V OC or
ATV Power Source, Intel® QuickAssist
Technology
Constaine Environment

Technology
Operating Environment
Operating Temperature Range
0°C - 60°C (32°F - 140°F)
Non-Operating Temperature Range
-40°C - 85°C (40°F - 185°F)
Operating Relative Humidity Range
10% - 85% (non-condensing)
Non Operating Relative Humidity Range
10% - 95% (non-condensing)

Parts List Standard Parts (Bulk Package)

I/O Shield
Part Number

MCP-269-00133-0N

Qty 1

Description STANDARD I/O SHIELD FOR A2SDV-IN10PF

STATe able 

Qty Description SATA Cables Part Number

CBL-0044L+@Store (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html)

Qty Description

Global SKU (/de/products/SMC\_global\_skus)