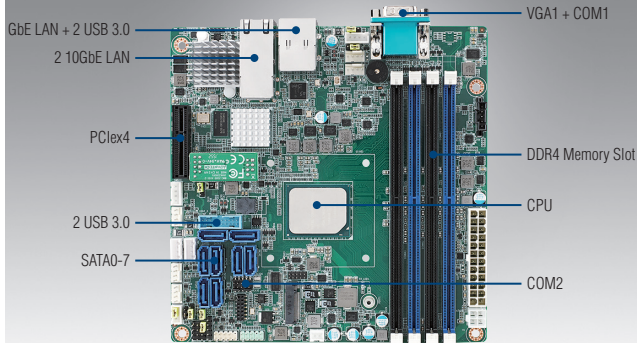


# ASMB-260

**Intel® Atom® C3000 Mini-ITX Server Board with 4 DDR4, 1 PCIe x4, 8 SATA3, 4 USB 3.0, Dual 10GbE, IPMI**

**NEW**



## Features

- Mini-ITX server board with Intel® Atom® C3000 processor
- Four DDR4 2400MHz ECC/Non-ECC UDIMM up to 64GB or four DDR4 2400MHz RDIMM up to 128GB
- One PCIe x4, 8 SATA III, one M.2, four USB 3.0, and two 10GbE/one GbE LAN
- 0 ~ 60 °C ambient operation temperature range

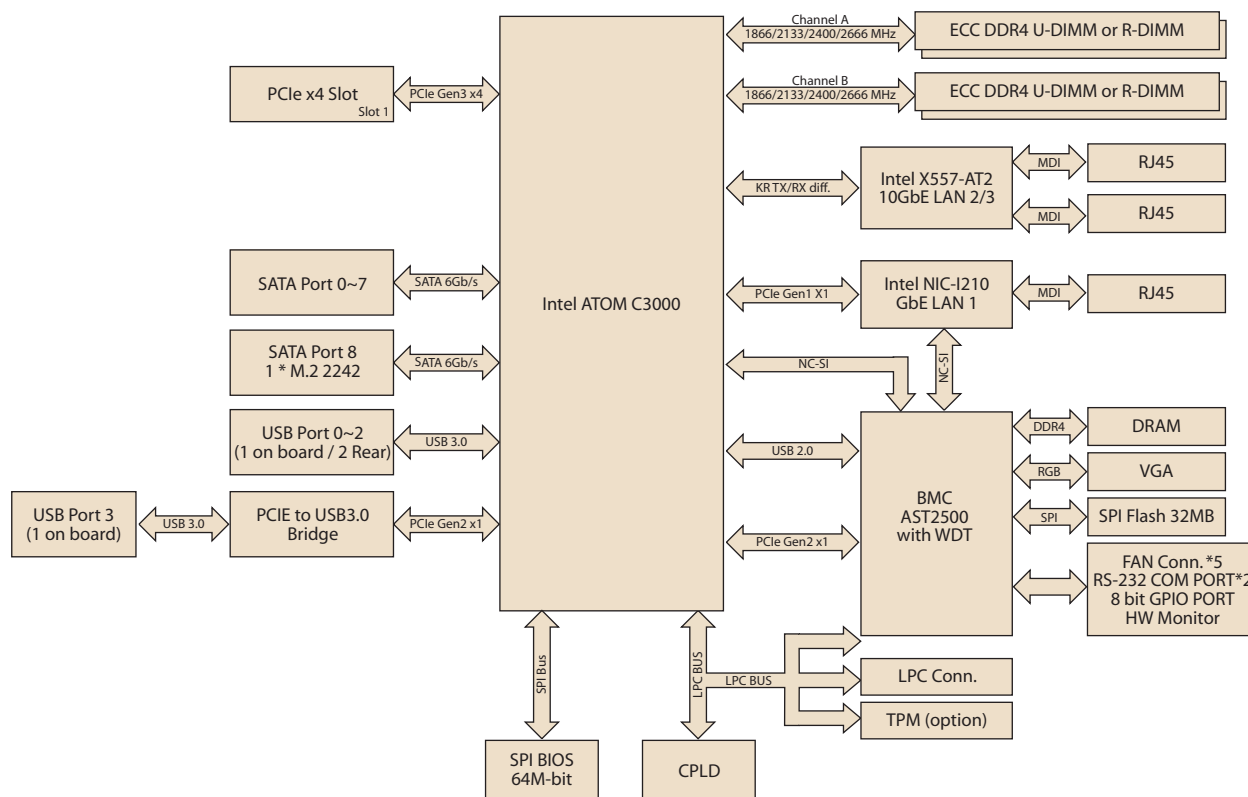


## Specifications

Form Factor		Mini-ITX form factor				
Processor System	Socket	Onboard SOC				
	CPU type	Intel® Atom® C3000				
Core Logic	Chipset	N/A				
	Total slots	4 (Dual Channel)				
Memory	Capacity	Maximum 128GB for RDIMM Maximum 64GB for UDIMM				
	Memory type	DDR4 2400/2133/1866/1600 MHz DIMM				
	Memory size	4 GB, 8 GB, 16 GB, 32GB (only for RDIMM)				
Expansion Slots	Total PCI/PCI-X/PCIe slots	1				
	Slot location 1	PCIe x4 slot (Gen3 x4 link)				
Graphics	VGA	Aspeed AST 2500				
Storage	IDE controller	-				
	SATA controller	8 x SATA III + 1 x M.2 6 Gb/s ports				
	SAS controller	-				
Networking	GbE/10GbE LAN	Intel I210AT/Intel X557-AT2 (dual 10GbE ports)				
Onboard I/O Connector	LPC connector	1				
	PSU connector	24-pin ATX power connector or 4-pin 12V DC input				
	USB connector	1 x USB3.0 pin header ( supports 2 x USB 3.0 port*)				
	Fan header	5 x 4-pin (4 for system + 1 for CPU)				
	SMBus	1				
	Chassis intruder	1				
	Front LAN LED	1				
	Audio Header	-				
	Serial port header	1				
	Rear I/O Connector	External serial port	1			
External USB port		2 (supports 2 x USB 3.0)				
VGA port		1				
RJ-45		3 (share NIC for IPMI function)				
PS/2 KB/mouse		-				
Management Solution	Software	-				
	Out of band remote management	Yes				
Monitoring	CPU temperature	Yes				
	System Monitoring	Yes				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirement	Power On	3.3V	5V	12V	5Vsb	-12V
		0.10A	0.10A	6.41A	0.54A	0A
		Operating				
Environment	Temperature	0 ~ 60 °C, depends on CPU speed and cooler solution			-40 ~ 85 °C	
	Humidity	10% ~ 95%			10% ~ 95% (Non condensing)	
Physical Characteristics	Dimension (L x H)	170 x 170 mm (6.7" x 6.7")				

\*USB boot feature can't be supposed on USB port 4.

## Block Diagram



## Ordering Information

Part Number	CPU	Memory	10GbE Lan	GbE Lan	SATA	M.2	VGA	IPMI
ASMB-260T2-22A1	C3758	4 xDDR4 RDIMM/UDIMM	2	1	8	1	AST 2500	Yes
ASMB-260I-22A1	C3758	4 xDDR4 RDIMM/UDIMM	-	1	8	1	AST 2500	Yes
ASMB-260I-21A1	C3558	4 xDDR4 RDIMM/UDIMM	-	1	2	0	AST 2500	Yes

## Packing List

Part Number	Description	Quantity
2061260I00	Driver CD	x 1
2001026000	Start manual	x 1
1960052312T020	I/O shield	x 1
1700003194	SATA Data Cables	x 2
1930007120-01	Screw for M.2 device	x 2
1700024372-01	SATA Power cable	x 2

## Optional Accessories

Part number	Description
1960080721N001	Atom C3000 cooler for 1U/2U and tower chassis
1700019414	COM port cable w/o bracket
1700002204	Dual port USB 2.0 cable (27 cm) with bracket
1700020277-01	Dual port USB3.0 cable (30 cm) with bracket
19Z0000406T110	1U I/O shield

Note: Purchasing ASMB-260's proprietary CPU cooler from Advantech is a must.

## I/O View



ASMB-260T2-22A1



ASMB-260I-22A1  
ASMB-260I-21A1