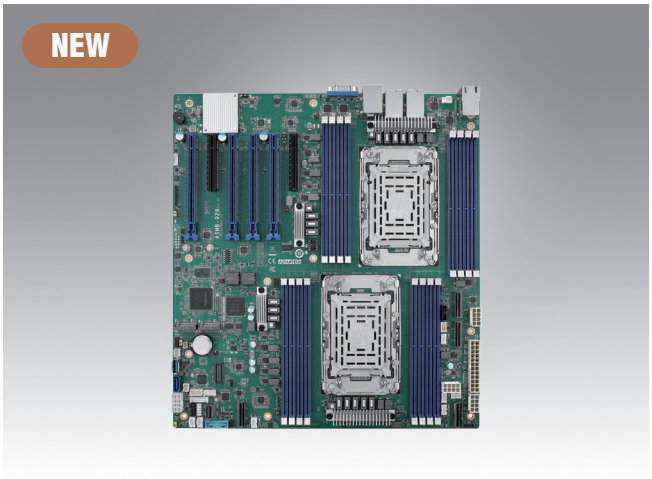
ASMB-928

Dual 6th Gen Intel® Xeon® Scalable EATX Server Board with 16x DDR5, 4x PCIeX16, 2xPCIeX8, 5x SATA 3.0, 4x MCIO, 2x M.2, 2x 10GbE, 2x 2.5GbE, and IPMI



CE FCC

Features

- LGA4710 EATX server board with 6th Gen. Xeon® Scalable processor, TDP up to 350W
- DDR5 6400 MHz RDIMM up to 4TB (16 DIMMs), also supports MRDIMM
- Four PCIe x16 (Gen 5) and two PCIe x8 (Gen 5)
- Four MCIO x8 (Gen 5)
- Two 10GbE and two 2.5GbE ports
- Five SATA 3 and two M.2 connectors (PCIe x4)
- 0 ~ 60°C (32 ~ 140°F) ambient operating temperature range

Specifications

Form Factor		EATX form factor
Processor System	Socket	Intel LGA4710
	CPU type	Intel 6th Generation Xeon Scalable processors (CPU cooler should be purchased separately*)
Core Logic	Chipset	-
Memory	Total slots	16 (1 DIMM per channel)
	Capacity	Maximum 4TB ECC RDIMM
	Memory type	DDR5 ECC-REG 6400 MHz RDIMM, 8000 MHz MRDIMM
	Memory size	16GB, 32GB, 64GB, 128GB, 256GB
Expansion Slot	Total PCI/PCI-X/PCIe slots	6
	Slot location 1	PCIe x16 slot (x16 link), signal from CPU0, CXL support
	Slot location 2	PCIe x8 slot (x8 link), signal from CPU0
	Slot location 3	PCIe x16 slot (x16 link), signal from CPU0, CXL support
	Slot location 4	PCIe x16 slot (x16 link), signal from CPU1, CXL support
	Slot location 5	PCIe x16 slot (x16 link), signal from CPU1, CXL support
	Slot location 6	PCIe x8 slot (x8 link), signal from CPU1
Graphics	VGA	Aspeed AST2600
Storage	SATA controller	Asmedia ASM1165: 4 x SATA3.0 (6 Gb/s) via Slim-SAS HD, 1 x SATA3.0 (6Gb/s)
	SAS controller	-
Networking	2.5GbE	2 x Intel® I226LM
	10GbE	2 x Intel® X710-AT2
Onboard I/O connector	PSU connector	24-pin SSI power connector + 5 x 8-pin SSI 12 V power connector
	USB connector	3, 2 x USB 3.2 Gen1 (one onboard header) + 1 x USB 3.2 Gen1 (one Type A)
	M.2 connector	2 x M.2 2280 B+M key (PCIe)
	MCIO	4 x MCIO (PCIe x8)
	Fan header	8 x 4pin (6 for system + 2 for CPU)
	SMBus	1
	Chassis intrusion	1
	Front LAN LED	1
	Serial port header	1
	Audio header	-
	PS/2 KB/Mouse	Optional
Rear I/O Connector	External serial port	-
	External USB port	2 (USB 3.2 Gen1)
	VGA port	1
	DVI port	-
	HDMI port	-
	DP port	-
	RJ-45	5 (1 port dedicated for IPMI function)
	Audio connector	-
	PS/2 KB/Mouse	-
	Infiniband	-

* CPU power design support up to 350W TDP

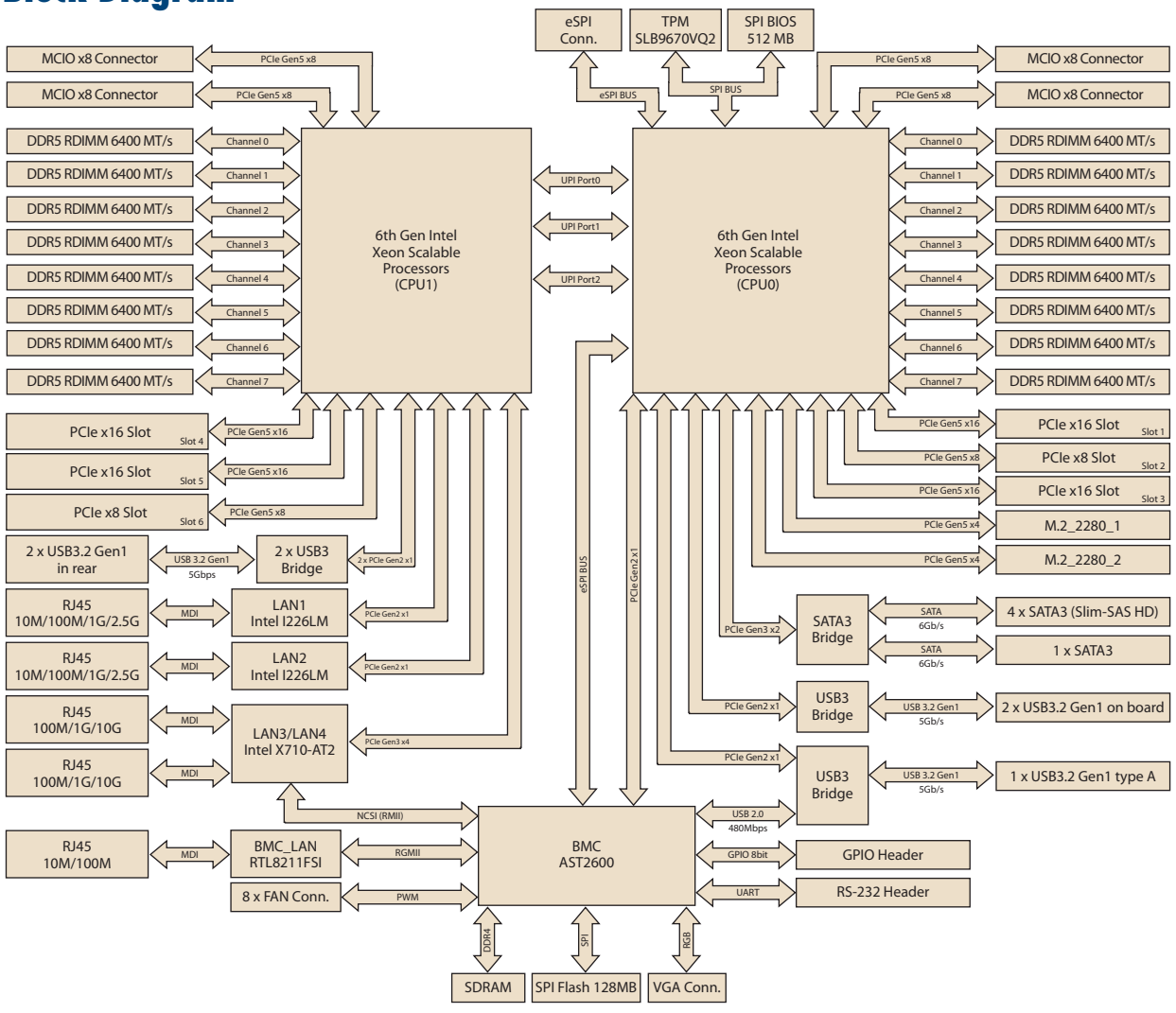
All product specifications are subject to change without notice.

Last updated: 3-Jun-2026

Specifications (Cont.)

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					
Power Requirement	Power On (CPU/ DDR spec TBD)	3.3 V	5 V	12 V	5 VSB	-12 V	12 V_8P
Environment		Operating			Non-operating		
	Temperature	0 ~ 40 °C/ 32 ~ 140 °F, depending on CPU speed and cooler solution			-40 ~ 85 °C/-40 ~ 185 °F		
	Humidity	40 °C @ 95% RH Non-condensing			60 °C@95% RH Non-condensing		
Physical Characteristics	Dimensions	307.34 x 335.28 mm (12.1" x 13.2")					

Block Diagram



Ordering Information

Part Number	Memory	2.5GbE/ 10GbE LAN	IPMI	Graphics	COO
ASMB-928T2-00A1	16 x DDR5 RDIMM	2/2	Yes	AST2600	China
ASMB-928I-00A1	16 x DDR5 RDIMM	2/-	Yes	AST2600	China
ASMB-928T2-00A1U	16 x DDR5 RDIMM	2/2	Yes	AST2600	Taiwan

Packing List

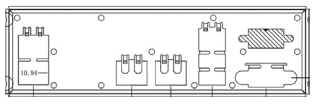
Part Number	Description	Quantity
2042092800	Startup manual	1
1700003194	SATA data cables	1
1700022749-11	SATA power cables	1
1700019748	CPU power cable	2
1700019414	COM cable	1
1930008738	Screw for M.2 device	2
1960116717T001	I/O shield	1
1960109237N010	PCIe I/O support	1
1651003851-01	LGA-4710 CPU carrier - E2A (XCC)	2
1651003850-01	LGA-4710 CPU carrier - E2B (MCC)	2
1700031926-11	Front panel convert cable	1

Optional Accessories

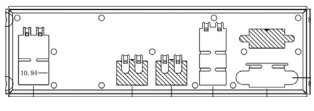
Part Number	Description
1970005860N000	LGA-4710/4677 narrow CPU cooler for 2U chassis
1970005933N001	LGA-4710/4677 tower CPU cooler for 4U chassis
1700028024-01	Dual port USB 3.2 (Gen1) cable (45 cm/ 17.7 in) with bracket

Note:
1. Select SATA cable from HPC chassis datasheet or contact sales representative.

I/O View



ASMB-928T2-00A1



ASMB-928I-00A1

ADVANTECH Server Boards

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.

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