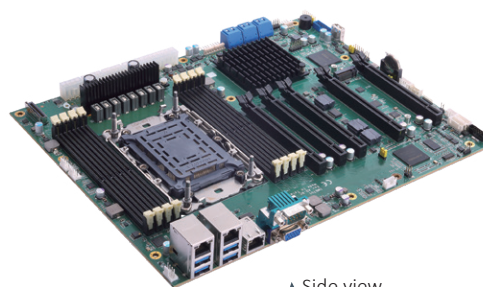
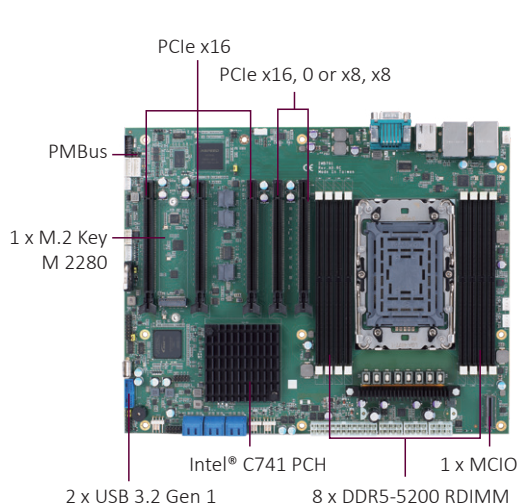


IMB701

ATX Motherboard with LGA4677 Socket 5th/4th Gen Intel® Xeon® Scalable Processors, Intel® C741, 5 PCIe x16, VGA, IPMI, USB 3.2, and NVMe



Features

- 5th/4th Gen Intel® Xeon® Scalable processors (Platinum, Gold, Silver, and Bronze), up to 350W TDP
- 8 DDR5-5200 R-DIMM ECC, up to 512GB memory
- 5 PCIe x16
- Supports M.2 Key M and MCIO
- Supports IPMI 2.0
- Supports multiple graphic cards
- Supports internal USB dongle

Specifications

Core System	
CPU	LGA4677 socket (socket E) 5th/4th Gen Intel® Xeon® Scalable processors (Platinum, Gold, Silver, and Bronze), up to 350W TDP
System Memory	8 x DDR5-5200 R-DIMM ECC, up to 512GB memory
Chipset	Intel® C741
BIOS	AMI
Storage	1 x NVMe M.2 Key M 2280 (PCIe Gen 5 x4) 1 x MCIO (PCIe Gen4 x8) for 2 x NVMe SSD
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot 1 & 2: PCIe x16 (1 x Gen 5 x16 or 2 x Gen 5 x8 via jumper setting) Slots 3, 4 & 5: PCIe x16 (Gen 5 x16 link) NVMe M.2 Key M 2280 (PCIe Gen 4 x4)

Specifications

Core System

Battery Lithium	3 V/220 mAh
Power Input	24-pin + 8-pin + 8-pin ATX connector
Power Consumption	Intel® Xeon® Platinum 8470 with DDR5-5600 64GB Power requirements: +12V_CPU @ 32A +5V @ 1.8A +3.3V @ 0.2A

Display

Chipset	AST2600
Display Interface	1 x VGA, up to 1920 x 1200 @ 60Hz

I/O

External	2 x 1GbE with Intel® I210-AT 1 x dedicated IPMI LAN port (Realtek RTL8211F) 1 x COM (RS-232 DB9) 4 x USB 3.2 Gen 1
Internal	1 x USB 2.0 Type-A (for license dongle) 2 x USB 3.2 Gen 1 (box header) 2 x USB 2.0 (internal pin header) 6 x SATA 3.0 with RAID 0/1/5/10 1 x COM (RS-232, box header) 1 x PS/2 keyboard and mouse (box header) HD audio interface (2 x 8-pin header)

Key Benefits

TPM	TPM 2.0
SMBus	Yes
Digital I/O	8-channel TTL
Hardware Monitoring	Detect CPU/system temperature, voltage and supports smart fan control
Remote Management	IPMI 2.0 supported by OpenBMC

Mechanical and Environmental

Dimensions	305 x 244 mm
Board Thickness	2.54 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F), depends on thermal solution
Storage Temperature	-20°C to +85°C (-4°F to +185°F)
Relative Humidity	10% to 95% relative humidity at +40°C, non-condensing

Ordering Information

Standard

IMB701-C741-SP (P/N: E38F701101)	ATX motherboard with LGA4677 socket 5th/4th Gen Intel® Xeon® Scalable processors, Intel® C741, 5 PCIe x16, VGA, IPMI, USB 3.2, and NVMe; single packing
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Optional

5938A808010E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=190 mm
5938A808020E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=400 mm
5948C122800E	2 x USB 3.2 Gen 1 cable with bracket, L=400 mm
59380000290E	PS/2 keyboard & mouse cable with bracket
594G5208000E	SATA 3.0 signal cable, L=500 mm with locking latch
594G5208010E	SATA 3.0 signal cable, L=500 mm without locking latch
E393242100	AX93242-RC HD audio converter kit
59380402010E	1 x COM port cable with bracket, P=2.54 mm, L=300 mm
713000002500	LGA 4677 CPU 2U cooler (225W)
713000002600	LGA 4677 CPU 4U cooler (350W)