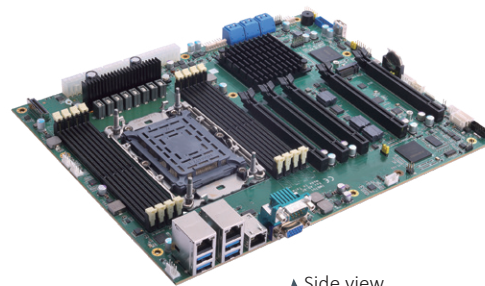
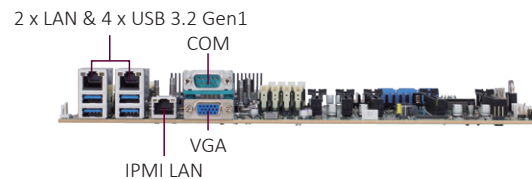
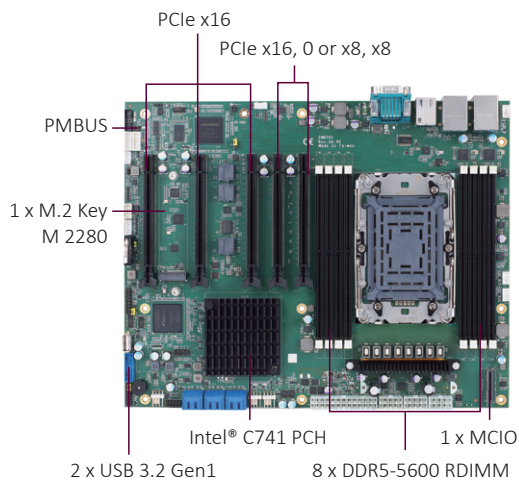


IMB701 NEW

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



DDR5



PCIe x16



PCIe 5.0



M.2



USB 3.2



IPMI 2.0

Features

- 5th/4th gen Intel® Xeon® Scalable processors (Platinum, Gold, Silver, and Bronze), up to 350W TDP
- 8 DDR5-5600 R-DIMM ECC, up to 512GB memory
- 5 PCIe x16
- Supports M.2 Key M and MCIO
- Supports IPMI 2.0 and Redfish API
- 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 DDR5-5600 R-DIMM ECC, up to 512GB memory
Chipset	Intel® C741
BIOS	AMI
SSD	1 x NVMe M.2 Key M 2280 (PCIe Gen5 x4) 1 x MCIO (PCIe Gen5 x8) for 2 x NVMe SSD
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot 1 & 2: PCIe x16 (1 x Gen5 x16 or 2 x Gen5 x8 via jumper setting) Slots 3, 5, & 7: PCIe x16 (Gen5 x16 link) Slot 6: NVMe M.2 Key M 2280 (PCIe Gen4 x4)

Specifications

Display

Chipset	AST2600
Memory Size	N/A
Display Interface	1 x VGA

I/O

SATA	6 x SATA-600 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/system temperature, voltage and supports Smart fan control
Ethernet	2 x 10/100/1000 Mbps Ethernet (Intel® I210-AT) 1 x Dedicated IPMI LAN port (Realtek RTL8211F)
Audio	HD audio interface (2x8 pin header)
USB	4 x USB 3.2 Gen1 2 x Internal USB 3.2 Gen1 2 x Internal USB 2.0 1 x Internal USB 2.0 Type-A (for license dongle)
Serial	1 x Rear I/O COM (RS-232 DB9) 1 x Internal COM (RS-232)
PS/2 Combo Port	1 x PS/2 keyboard and mouse
Management	IPMI 2.0 Redfish API
SMBus	Yes
Digital I/O	8-channel TTL

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)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Humidity	10% to 95% relative humidity at 40°C, non-condensing
OS Compatibility	Windows server 2022, Linux Ubuntu 22.04

Ordering Information

Standard

IMB701 (P/N: TBC)	ATX motherboard with LGA4677 socket 5th/4th gen Intel® Xeon® Scalable processors, Intel® C741, 5 PCIe x16, VGA, IPMI, USB 3.2, and NVMe
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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
E393242100	AX93242-RC HD audio converter kit
5948C122800E	2 x USB 3.1 Gen1 cable with bracket, L=400 mm
593826A0000E	SATA signal cable/red, L=500 mm