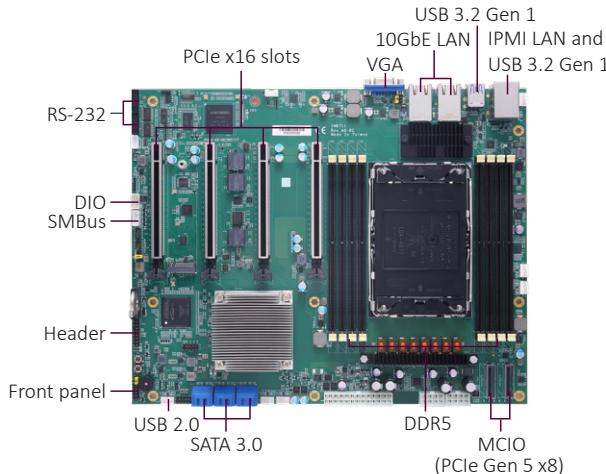


# IMB711

IEC 60601-1 Ready Medical-Grade ATX Motherboard with LGA4677 Socket 5th/4th Gen Intel® Xeon® Scalable Processors, Intel® C741, 4 PCIe x16, VGA, and NVMe



## Features

- 5th/4th Gen Intel® Xeon® Scalable processors
- 8 DDR5-5200 ECC RDIMM
- Supports Up to 4 PCIe x16 double-slot expansion cards
- Supports 2 Mini Cool Edge IO (MCIO) connectors with PCIe Gen 5 x8
- Supports dual 10GbE LAN ports and 1 dedicated IPMI LAN port
- Supports TPM 2.0
- Supports redundant BIOS and BMC

## Specifications

### Core System

CPU	5th/4th Gen Intel® Xeon® Scalable processors, up to 270W
System Memory	8 x 288-pin DDR5-4800 ECC RDIMM memory
Chipset	Intel® C741
BIOS	AMI UEFI BIOS; 512Mb SPI Flash ROM
SSD	M.2 key M 2280 with PCIe x4 signal
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot 1, 2 & 3: PCIe x16 (Gen 5 x16 link) Slot 4: PCIe x16 (Gen 5 x8 link) Slot 5: M.2 Key M 2280 (PCIe Gen 4 x4 signal) 2 x MCIO (PCIe Gen 5 x8)

## Specifications

### Display

Chipset	ASPEED AST2600
Display Interface	1 x VGA

### I/O

SATA	6 x SATA-600 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/system/PCIe card temperature and voltage, and supports smart fan speed control
Ethernet	2 x 10GbE RJ-45 port with Intel® X550-AT2 1 x GbE RJ-45 port with a dedicated IPMI LAN, powered by Realtek RTL8211F
Audio	1 x header supports MIC-in/Line-in/Line-out/Speaker-out with audio kit AX93242 (optional)
USB	4 x USB 3.2 Gen 1 2 x USB 2.0 with 1 internal box header
Serial	2 x internal RS-232 serial port box header supports SOL
LED Indicators	1 x power on + HDD + health
TPM	TPM 2.0 module
SMBus	1 x header
PMBus	1 x header
IPMB	1 x header
System Fan	6 x header
Digital I/O	8-channel programmable

### Mechanical and Environmental

Dimensions	305 x 244 mm
Board Thickness	2.54 mm
Operating Temperature	0°C to +40°C (+32°F to +104°F), depends on cooler solution
Relative Humidity	10% to 95% relative humidity, non-condensing

## Ordering Information

### Standard

IMB711 Single Pack (P/N: E38F711101)	ATX motherboard with LGA4677 Socket 5th/4th Gen Intel® Xeon® Scalable processors, Intel® C741, 4 PCIe x16, VGA, and NVMe; single packing
IMB711 Bulk Pack (P/N: E38F711102)	ATX motherboard with LGA4677 Socket 5th/4th Gen Intel® Xeon® Scalable processors, Intel® C741, 4 PCIe x16, VGA, and NVMe; bulk packing

### 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
593826A0000E	SATA signal cable/red, L=500 mm