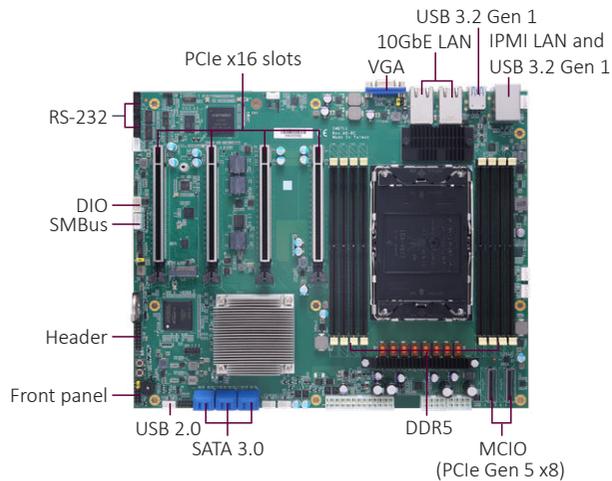


IMB711

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 |