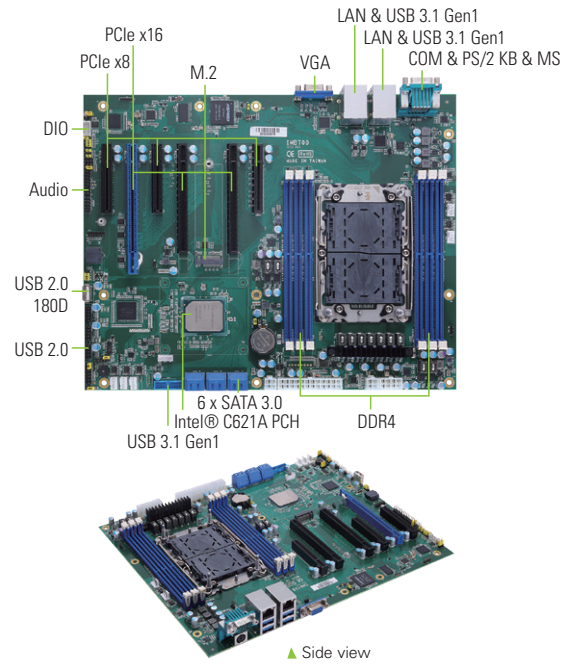


IMB700 NEW

ATX Motherboard with LGA4189 Socket Intel® Xeon® Scalable Processor, Intel® C621A, 3 PCIe x16, 3 PCIe x8, VGA, NVMe

Features

- Intel® Xeon® Scalable processor (Ice Lake-SP)
- Six 288-pin DDR4-3200 RDIMM for up to 384GB of memory
- 3 PCIe x16, 3 PCIe x8
- Supports M.2 Key M
- TPM 2.0 supported (optional)
- Supports multiple graphic cards
- Supports internal USB dongle



Core System

| | |
|-----------------------|---|
| CPU | Intel® Xeon® Scalable processor (TDP up to 270W) |
| System Memory | 6 x DDR4-3200 R-DIMM un-buffered non-ECC/ECC memory, up to 384GB |
| Chipset | Intel® C621A |
| BIOS | AMI |
| SSD | M.2 key M 2280 with PCIe x4 signal |
| Watchdog Timer | 255 levels, 1 to 255 sec. |
| Expansion Interface | Slot1: PCIe x8 Slot2: PCIe x16 (Gen4) Slot3: M.2 key M 2280 (signal: x4) Slot4: PCIe x16 (Gen4) Slot5: PCIe x8 slot (signal: x0 or x8) Slot6: PCIe x16 (signal: x16 or x8) Slot7: PCIe x8 |
| Dimensions | 305 x 244 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | 0°C to +60°C (+32°F to +140°F), depends on cooler solution |
| Humidity | 10% to 95% relative humidity, non-condensing |

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) |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with audio kit AX93242 (optional) |
| USB | 4 x USB 3.1 Gen1 (rear I/O) 2 x USB 3.1 Gen1 (internal box header) 6 x USB 2.0 (internal box header) 1 x USB 2.0 (180D TypeA) |
| Serial | 1 x RS-232/422/485 (rear I/O) |
| PS/2 Combo Port | 1 x PS/2 keyboard and mouse |
| TPM | TPM 2.0 module (optional) |
| SMBus | Yes |
| Digital I/O | 8-channel programmable |

Display

| | |
|-------------------|---------|
| Graphic | AST2510 |
| Memory Size | N/A |
| Display Interface | 1 x VGA |

Ordering Information

| Standard | |
|-----------------------|--|
| IMB700-S: ATX LGA4189 | ATX Motherboard with LGA4189 Socket Intel® Xeon® Ice Lake SP single Scalable Processor, Intel® C621A, 3 PCIe x16, 3 PCIe x8, VGA, NVMe |
| (P/N: E38F700101) | |
| 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 |
| 83935151000E | TPM 2.0 module (AX93515) |
| 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 |
| 713WFB30000E | IMB700_CL_LGA4189_4U_CPU above 205W |
| 713JYC1M000E | IMB700_CL_LGA4189_2U_CPU under 205W |