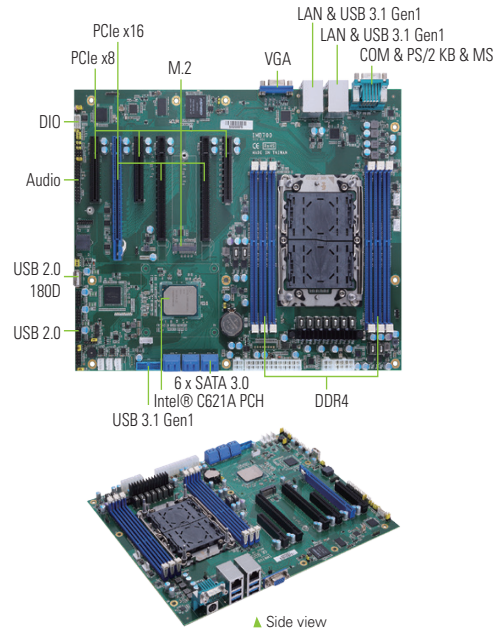


# IMB700 NEW

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, (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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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