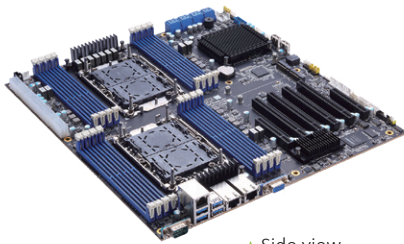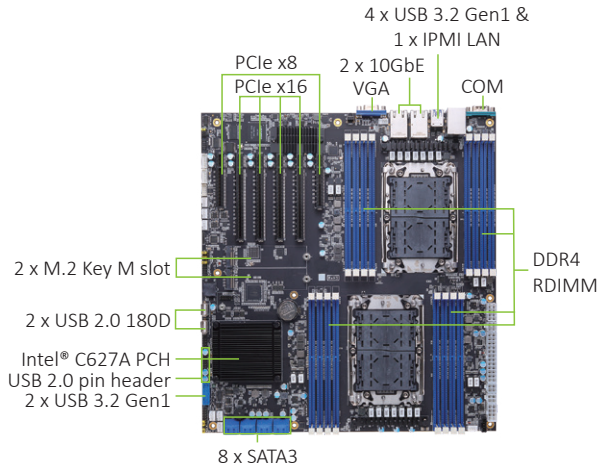# IMB760 NEW

EATX Motherboard with Dual LGA4189 Socket 3rd Gen Intel® Xeon® Scalable Processors, Intel® C621A/C627A, 4 PCIe x16, 2 PCIe x8, VGA, NVMe, and IPMI

Features

- Dual 3rd gen Intel® Xeon® Scalable processors (Ice Lake-SP)
- 16 DDR4-3200 RDIMM for up to 1TB of memory
- 4 PCIe x16 and 2 PCIe x8
- Supports 2 M.2 Key M slots for NVMe with RAID 0, 1
- Supports TPM 2.0 module (optional)
- Two 10GbE ports
- IPMI (optional)

▲ Side view

Specifications

Core System

CPU	3rd gen Intel® Xeon® Scalable processors (TDP up tp 270W)
System Memory	16 x 288-pin DDR4-3200 RDIMM un-bufferrd memory, up to 1TB
Chipset	Intel® C621A Intel® C627A (by project)
BIOS	AMI
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	Slot2: PCIe x8 (Gen4) Slot3: PCIe x16 (Gen4) Slot4: PCIe x16 (Gen4) Slot5: PCIe x16 (Gen4) Slot6: PCIe x16 (Gen4) Slot7: PCIe x8 (Gen4)

Display

Graphic	AST2500 (with IPMI) AST2510 (without IPMI)
Display Interface	1 x VGA

I/O

Storage	8 x SATA-600 with RAID 0/1/5/10 2 x M.2 Key M 2280 slot (PCIe x4/SATA signal) for NVMe SSD with support for RAID 0, 1
Hardware Monitoring	Detect CPU/system temperature, voltage and supports Smart fan control
Ethernet	1 x IPMI LAN via Intel® I210-AT (shared with BMC AST2500) 2 x 10GbE Ethernet (Intel® X550-AT2)
USB	4 x USB 3.2 Gen1 (rear I/O) 2 x USB 3.2 Gen1 (internal box header) 4 x USB 2.0 (internal box header) 2 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 (internal box header)
SMBus	Yes
Digital I/O	8-channel programmable
Fan	8 x 4-pin fan header (2 for the CPU & 6 for the system)
TPM	TPM 2.0 module (optional)

Mechanical and Environmental

Dimensions	305 x 330 mm
Board Thickness	2.4 mm
Operating Temperature	10°C to +35°C (+50°F to +95°F) (depends on cooler solution)
Humidity	10% - 95% relative humidity, non-condensing
IPMI	ASPEED AST2500 BMC (optional)

Ordering Information

Standard

IMB760-C621A-IP SP (P/N: E38F760107)	EATX Motherboard with dual LGA4189 socket Intel® Xeon® Scalable processors, Intel® C621A, 4 PCIe x16, 2 PCIe x8, VGA, NVMe, and IPMI

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)
5948C122800E	2 x USB 3.1 Gen1 cable with bracket, L=400 mm
594G5208010E	SATA3 cable 180D w/ B.sleeve, L=50 cm
713WFB30000E	IMB700_CL_LGA4189_4U_CPU up to 270W
713JYC1M000E	IMB700_CL_LGA4189_2U_CPU up to 205W