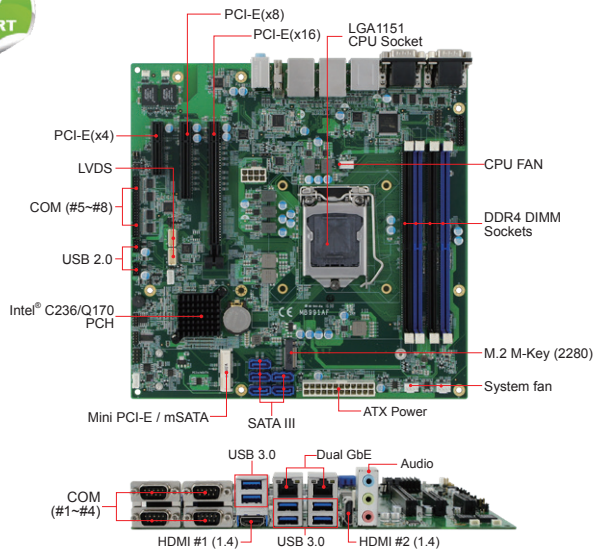
MB991

Micro ATX Motherboard

7th/6th Gen Intel® Xeon E3/ Core™ i7/i5/i3 and Pentium®/Celeron®
Micro ATX Motherboard w/ Intel® C236 PCH



Features

- 7th/ 6th Gen Intel® Xeon E3/Core™ i7/i5/i3 / Pentium® / Celeron® QC/DC processors, up to 4.2GHz
- 4x DDR4 DIMM, Max. 64GB
- Intel® processor integrated graphics, supports HDMI, LVDS
- Dual Intel® Gigabit LAN
- 4x USB 2.0, 6x USB 3.0, 8x COM, 5x SATAIII
- 1x PCI-E(x16) [(x8) Link], 1x PCI-E(x8), 1x PCI-E(x4)
- 1x Mini PCI-E, 1x M.2 M-key (2280)
- Watchdog timer, Digital I/O, iAMT (11.6), TPM (2.0), iSMART

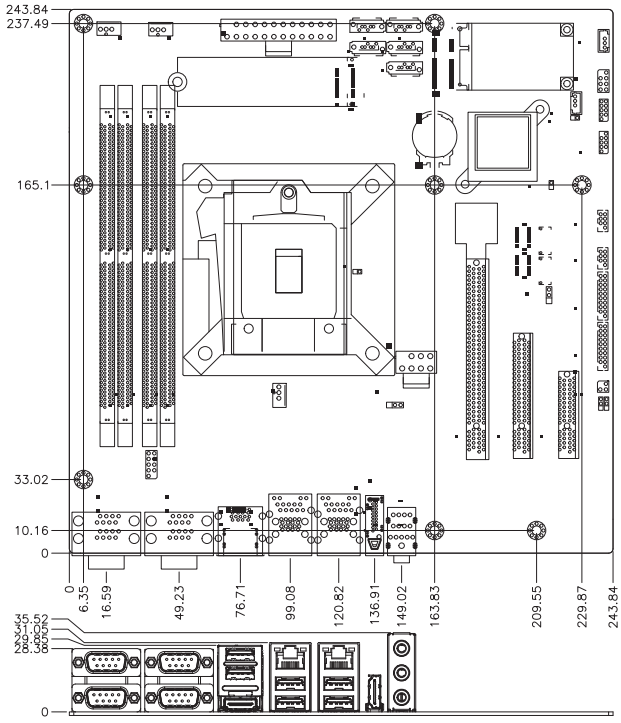
Specifications

CPU	LGA1151 for 7th/6th Gen Intel® Xeon E3/Core™ i7/i5/i3/ Pentium® / Celeron® QC/ DC processors, up to 4.2GHz
System Memory	4x DDR4 DIMM, Max. 64GB (supports ECC by CPU SKUs)
System Chipset	MB991AF-C236: Intel® C236 PCH MB991AF: Intel® Q170 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x mSATA via Mini PCI-E (Thru SATA III) 1x M.2 slot [Thru PCI-E(x1) x4](NVMe)
H/W Monitor	Yes
Expansion Slots	1x PCI-E(x16), 1x PCI-E(x8), 1x PCI-E(x4) 1x Mini PCI-E, 1x M.2 (2280)
VGA Controller	7th/6th Gen Intel® Core™ i7/i5/i3/ Pentium®/ Celeron® processor Integrated
VGA Memory	Max. Shared memory – 1024MB
Display Interface	2x HDMI (1.4) and LVDS
LAN Controller	Intel® I219LM Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN
LAN Connector	RJ-45 on board
I/O Chipset	Fintek F81846AD-I + F81504D 6x RS232, 2x RS232/422/485 (jumperless selection),
USB	6x USB 3.0 on board 4x USB 2.0 via pin-header
Serial ATA	5x SATA III
Audio	Intel® C236 / Q170 PCH built-in HD audio + Realtek ALC662 codec
Others	Digital I/O (4-in/4-out), RAID, iAMT (11.6), TPM (2.0), iSMART
Dimensions	244mm x 244mm (9.6" x 9.6")
Max. Power Requirement	Intel® Core i7-6700, 3.4GHz, w/ 4x 8GB DDR4-2133 12V: 7.1A +5V: 1.81A +5VSB: 0.11A +3.3V, 0.70A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

MB991AF-C236	LGA1151 C236 Micro ATX motherboard w/ 2x HDMI (1.4) and LVDS, dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), iSMART
MB991AF	LGA1151 Q170 Micro ATX motherboard w/ 2x HDMI (1.4) and LVDS, dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), iSMART

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.