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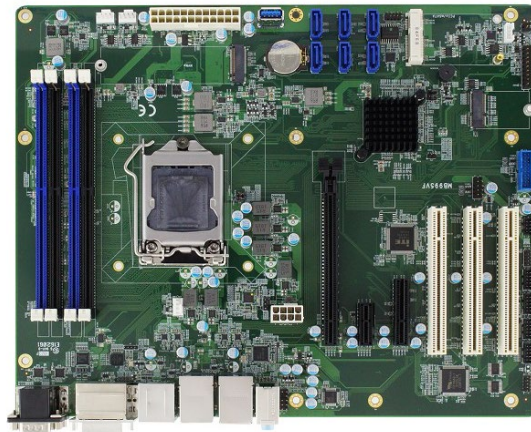


Datasheet

iBase

MB995

Industrial ATX Motherboard for 8th Gen. Intel® Xeon® E and Core™ i Processor and Intel® C246 or Q370 Chipset

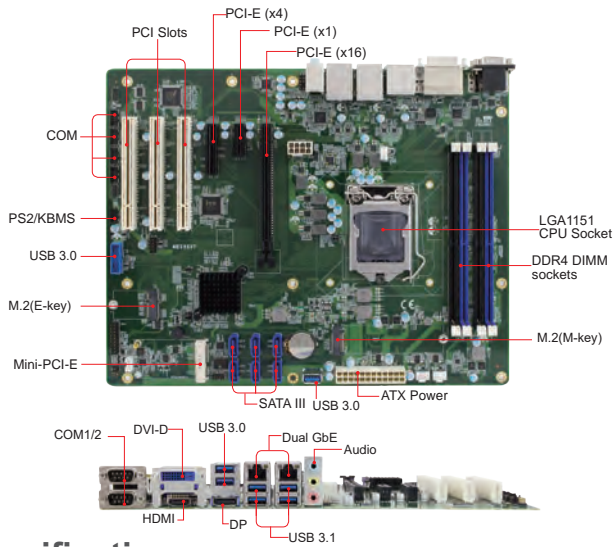


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MB995

ATX Motherboard

8th Gen Intel® Xeon® E / Core™ i7/i5/i3 ATX Motherboard
w/ Intel® C246/ Q370 PCH



Specifications

CPU Socket	LGA1151
CPU	8th Gen Intel® Xeon® E / Core™ i7/i5/i3 HC/QC/DC processors, up to 4.7GHz
PCH	MB995VF-C246: Intel® C246 PCH MB995VF: Intel® Q370 PCH
Memory Types	4x DDR4-2666/ 2400 DIMM, Max. 64GB (supports ECC by CPU SKUs)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	mSATA , NVMe
Expansion Slots	1x PCI-E (x16), 1x PCI-E (x4), 1x PCI-E (x1)
Mini Type Slots	3x PCI, 1x MiniPCI-E, 1x M.2 (M-key, type:2280) 1x M.2 (E-key, type:2230)
Graphics Controller	8th Gen Intel® Core™ i7/i5/i3 processors integrated
Video Output	1x HDMI (2.0a), 1x DisplayPort (1.2), 1x DVI-D
Ethernet	LAN 1: Intel® I219LM GbE PHY LAN 2: MB995VF-C246: Intel® I210AT GbE MB995VF: Intel® I211AT GbE
I/O Chip	Fintek F81966D-I
Serial Port	4x RS232, 2x RS232/422/485 (jumperless selection)
USB 2.0	2x USB 2.0 via pin-header
USB 3.0/ 3.1	4x USB 3.1 on board 5x USB 3.0: -2 ports on board, 2 ports via box-headers -1 port via on board vertical type connector
Serial ATA	MB995VF-C246: 6x SATA III MB995VF: 4x SATA III
Audio	Intel® C246/Q370 PCH built-in HD Audio controller +Realtek audio codec ALC888S-VD2-GR w/ 7.1 channels

Features

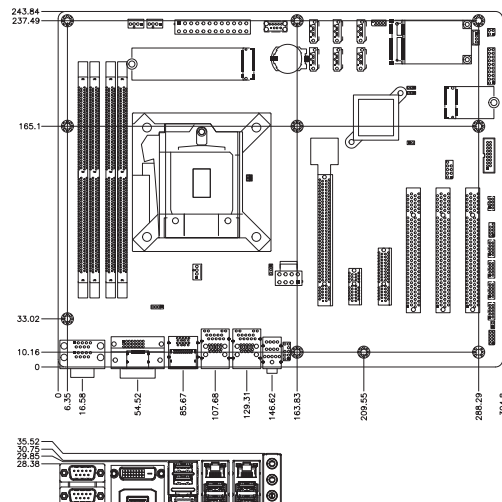
- 8th Gen Intel® Xeon® E / Core™ i7/i5/i3 HC/QC/DC processors, up to 4.7GHz
- 4x DDR4 DIMM, Max. 64GB
- Intel® processor integrated graphics supports DVI-D, HDMI (2.0a) and DisplayPort
- Dual Intel® Gigabit LAN
- 4x USB 3.1, 5x USB 3.0, 6x COM, 6x SATA III
- 1x PCI-E (x16), 1x PCI-E (x4), 1x PCI-E (x1), 3x PCI, 1x Mini PCI-E, 2x M.2 (E/ M-key)
- Watchdog timer, Digital I/O, iAMT (11.6), TPM(2.0), vPro, iSMART

TPM	TPM (2.0)
Others	Digital I/O (4-in/4-out), iAMT (11.6), RAID, iSMART (3.5), EuP/ErP
Dimensions (L x W)	305mm x 244mm (12" x 9.6")
Power Consumption	Intel® Core™ i7-8700 3.4GHz w/ 4x 4GB DDR4-2400 +12V: 5.56A +5V: 1.65A +5VSB: 0.25A +3.3V: 0.65A
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

MB995VF-C246	LGA1151 C246 ATX motherboard w/ HDMI, DVI-D, DisplayPort (1.2), dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), iSMART (3.5)
MB995VF	LGA1151 Q370 ATX motherboard w/ HDMI, DVI-D, DisplayPort (1.2), dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), iSMART (3.5)

Dimensions and Drawing



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