



Specifications

CPU Socket	LGA1151 for 8th Gen Intel® Xeon® E / Core™ i7/i5/i3 HC/QC/DC processors, up to 4.7GHz
System Memory	4x DDR4-2666/ 2400 DIMM, Max. 64GB (supports ECC by CPU SKUs)
System Chipset	MB995VF-C246: Intel® C246 PCH MB995VF: Intel® Q370 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	mSATA , NVMe
H/W Monitor	Yes
Expansion Slot	1x PCI-E(x16), 1x PCI-E(x4), 1x PCI-E(x1) 3x PCI, 1x MiniPCI-E, 1x M.2 (M-key, type:2280) 1x M.2 (E-key, type:2230)
VGA Controller	8th Gen Intel® Core™ i7/i5/i3 processors integrated
VGA Memory	Shared memory
Display Interface	1x HDMI (2.0a), 1x DisplayPort (1.2), 1x DVI-D
LAN Controller	LAN 1: Intel® I219LM GbE PHY LAN 2: Intel® I210AT GbE (MB995VF-C246) Intel® I211AT GbE (MB995VF)
LAN Connector	2x RJ-45 connectors
I/O Chipset	Fintek F81966D-I 4x RS232, 2x RS232/422/485 (jumperless selection)
USB	4x USB3.1 on board 5x USB3.0: -2 ports on board, 2 ports via box-headers -1 port via onboard vertical type connector 2x USB2.0 via pin-header
Serial ATA	MB995VF-C246: 6x SATA III MB995VF: 4x SATA III
Audio	Intel® C246/Q370 PCH built-in High Definition Audio controller + Realtek audio codec ALC888S-VD2-GR w/ 7.1 channels
Others	Digital I/O (4-in/4-out), iAMT (11.6), TPM (2.0), RAID, iSMART (3.5), EuP/ErP
Dimensions	305mm x 244mm (12" x 9.6")
Max. Power Requirement	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)

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 USB3.1, 5x USB3.0, 6x COM, 6x SATAIII
- 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

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

