



Specifications

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| 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 | 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)(DP++), 1x DVI-D |
| Ethernet | LAN 1: Intel® I219LM GbE PHY LAN 2: MB995VF-C246: Intel® I210AT GbE MB995VF: Intel® I211AT or I210AT GbE |
| I/O Chipset | Fintek F81966D-I |
| Serial Port | 4x RS232, 2x RS232/422/485 (jumper-less selection) |
| USB 2.0 | 2x USB 2.0 via pin-header |
| USB 3.X | 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 + Realtek ALC888S codec |
| TPM | TPM (2.0) |

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

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| 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

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| 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

