



Features

- 9th/8th Gen Intel® Xeon® E / Core™ i7/i5/i3 Pentium® QC/DC Processor, up to 4.7GHz
- 2x DDR4 DIMM, Max. 32GB
- 2x Gigabit LAN
- Intel® processor integrated graphics, supports DVI-I/ DVI-D/ LVDS
- 3x USB 2.0, 5x USB 3.0, 5x SATA III, 4x COM
- 2x M.2 socket (M/E-Key)

Specifications

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|--------------------------|--|
| CPU Socket | LGA1151 |
| CPU | 9th/8th Gen Intel® Xeon® E / Core™ i7/i5/i3 DT processors |
| PCH | IB995AF-C246: Intel® C246 PCH IB995AF: Intel® Q370 PCH IB995EF: Intel® H310 PCH |
| Memorys | 2x DDR4-2166/2400MHz DIMM, Max. 32GB (ECC compatible) |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 1x M.2 (supports NVMe) |
| Expansion Slots | 4x PCI, 4x PCI-E (x1) or 1x PCI-E (x4) 1x PCI-E (x16) from backplane |
| Mini Type Slots | 1x M.2 (M-Key, type:2280, supports NVMe) 1x M.2 (E-Key, type:2230, supports CNVI) |
| Graphics Controller | Intel® UHD Graphics P630 |
| Video Output | Supports DVI-D, DVI-I, 24-bit dual channel LVDS |
| Ethernet | IB995AF-C246& IB995AF: Intel® I219LM Gigabit LAN PHY IB995EF: Intel® I219V Gigabit LAN PHY Intel® I211AT or I210AT Gigabit LAN (as 2nd LAN) IB995AF-C246: Intel® I210AT Gigabit LAN (as 2nd LAN) |
| I/O Chipset | Fintek F81964D-I |
| Serial Port | 1x RS232/422/485 (jumperless selection) 3x RS232 |
| USB 2.0 | 2x USB 2.0 on board 1x USB 2.0 via on board USB vertical connector 1x USB 2.0 via M.2 (E-Key) |
| USB 3.X | 5x USB 3.0 on board for IB995AF series 3x USB 3.0 on board for IB995EF |
| Serial ATA | 5x SATA III for IB995AF-C246 3x SATA III for IB995AF 2x SATA III for IB995EF |
| Audio | Intel® PCH built-in HD audio controller + Realtek ALC888S codec |
| TPM | TPM (2.0) |
| Others | Digital I/O (4-in/ 4-out), RAID, iAMT (11.6) |
| Dimensions (L x W) | 338mm x 126mm (13.3" x 4.96") |

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| Power Consumption | Intel® Xeon processor i7-9700K w/ 2x DDR4 2133 16GB +12V: 8.21A +5VSB: 0.26A +5V: 1.16A +3.3V: 0.6A |
| Operating Temperature | 0°C ~ 60°C(32°F ~ 140°F) |
| Storage Temperature | -20°C ~ 80°C(-4°F ~ 140°F) |
| Relative Humidity | 90%(non-condensing @60°C) |

Ordering Information

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| IB995AFS-C246 | LGA1151 C246 PICMG1.3 Full-Size CPU Card w/ DVI-I, DVI-D, LVDS, Dual Gigabit LAN, iAMT (11.6), 5x SATA III |
| IB995AFS | LGA1151 Q370 PICMG1.3 Full-Size CPU Card w/ DVI-I, DVI-D, LVDS, Dual Gigabit LAN, iAMT (11.6), 3x SATA III |
| IB995EFS | LGA1151 H310 PICMG1.3 Full-Size CPU Card w/ DVI-I, DVI-D, LVDS, Dual Gigabit LAN, 2x SATA III |

*[S] means with Realtek ALC888S codec

Dimensions and Drawing

