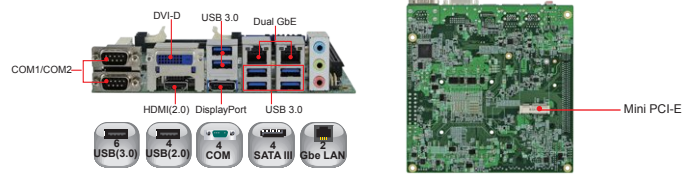


Features

- Onboard 7th Generation Intel® Xeon® E3 / Core™ i7/i5/i3
- 2x DDR4 SO-DIMM, Max 32GB, ECC
- Intel® processor integrated graphics device, supports DVI-D, HDMI 1.4, DisplayPort and 24-bit Dual channel LVDS
- 2x Intel® Gigabit LAN
- 6x USB 3.0, 4x USB 2.0, 4x SATA, 4x COM
- 1x PCI-E(x16), 2x Mini PCI-E, 1x mSATA, 1x M.2
- Watchdog timer, Digital I/O, iAMT 11.6, TPM 2.0,



System

| | |
|----------------|--|
| CPU Type | BGA1440 for 7th Generation Intel® Xeon® E3 / Core™ i7/i5/i3 processors, up to 3.7GHz |
| System Memory | 2x DDR4 SO-DIMM, Max 32GB (support ECC by CPU SKUs) |
| System Chipset | Intel® CM238 / HM175 PCH |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| SSD | 1x mSATA via Mini PCI-E (Thru SATA III and PCI-E) 1x M.2 slot (Thru SATA III and PCI-E) |
| H/W Monitor | Yes |
| Expansion Slot | 1x PCI-E(x16), 2x Mini PCI-E, 1x M.2 |

Graphics

| | |
|-------------------|--|
| VGA Controller | 7th Generation Intel® Xeon® / Core™ i7/ i5/ i3 processor integrated |
| VGA Memory | Shared memory |
| Display Interface | Supports DVI-D, HDMI (1.4), DisplayPort and 24-bit dual channel LVDS |

LAN

| | |
|------------|---|
| Controller | MI992VF series: Intel® I219LM Gigabit LAN PHY MI992EF series: Intel® I219V Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN) |
| Connector | 2x RJ-45 on board |

Multi I/O

| | |
|-------------|---|
| I/O Chipset | Fintek F81846AD-I |
| USB | 6 ports on board (USB 3.0) 4 ports via pin-header (USB 2.0) |
| Serial ATA | MI992VF: 4x SATA III MI992EF: 2x SATA III |
| Audio | Intel® CM238 / HM175 PCH built-in HD audio + Realtek ALC892 codec |
| Others | Digital I/O (4-in/4-out), RAID, TPM (2.0), iAMT (11.6), iSMART |

Mechanical and Environmental

| | |
|------------------------|-----------------------------|
| Dimensions | 170mm x 170mm (6.7" x 6.7") |
| Max. Power Requirement | TBD |
| 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

| | |
|--------------|--|
| MI992VF-X3G | Intel® CM238/ Xeon™ E3-1505M v6(3.0GHz) Mini-ITX Motherboard w/ DVI-D, HDMI (1.4), DisplayPort, LVDS, dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), vPro, iSMART, CPU cooler on board |
| MI992VF-7820 | Intel® CM238/ Core™ I7-7820EQ (3.0GHz) Mini-ITX Motherboard w/ DVI-D, HDMI (1.4), DisplayPort, LVDS, dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), vPro, iSMART, CPU cooler on board |
| MI992VF-7440 | Intel® CM238/ Core™ I5-7440EQ (2.9GHz) Mini-ITX Motherboard w/ DVI-D, HDMI (1.4), DisplayPort, LVDS, dual Gigabit LAN, RAID, iAMT (11.6), TPM (2.0), vPro, iSMART, CPU cooler on board |
| MI992EF-7100 | Intel® HM175/ Core™ I3-7100E (2.9GHz) Mini-ITX Motherboard w/ DVI-D, HDMI (1.4), DisplayPort, LVDS, dual Gigabit LAN, RAID, EuP/ErP compliant, iSMART, CPU cooler on board |

Dimensions and Drawing

