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Datasheet

iBASE

MAF800

**AI (artificial intelligence) Computer for Industrial Applikation like
machine vision and factory automation facilities with
9th / 8th Gen LGA1151 Intel® Core™ i Processor (up to 65W CPU) and
NVIDIA PCIe Graphics GPU Card Support**



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Features

- 8th Gen Intel® Core™ processors TDP 65W
- 2x DDR4 SO-DIMM, dual channel, Max. 32GB
- 3x GigE ports, 6x USB 3.0
- 1x M.2 2280 M Key
- Modular design:
 - Main system or Main system + SUMIT module (4-ports PoE+ SUMIT module) or Main system + SUMIT module + Expansion slots support PCI-E high performance graphics card
- Operating temperature range: -10°C to 50°C

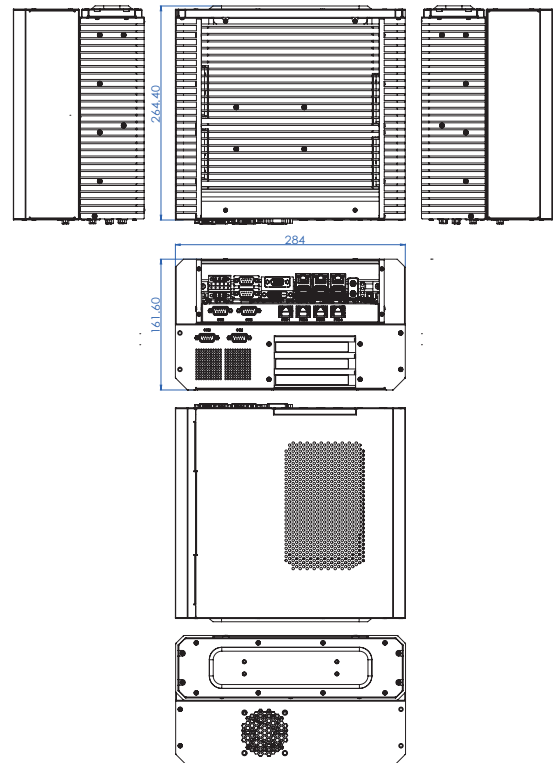
Specifications

CPU Socket	8th Generation Intel® Core™ processors TDP <=65W LGA1151 CPU
System Memory	2x DDR4-2133/2400 SO-DIMM 4GB, Max. 32GB
System Chipset	Intel® Q370 PCH
BIOS	AMI
Watchdog Timer	256 segments, 0, 1, 2...255 (sec/min)
Storage	2x 2.5" SSD + 1x mSATA socket
Expansion Slot	1x miniPCI-E socket (full-size) 1x M.2 2280 M key, supports NVMe 1x SUMIT port (optional 4-port PoE + Module) MAF800-2E / MAF800-L2E: 1x PCI-E x16, 1x PCI-E x4 or 2x PCI-E x16 + 1x PCI-E x4 (Supports 1x PCI-Ex16 + 1x PCI-E x4 signal or 2x PCI-E x8 + 1x PCI-E x4)
Display Interface	1x DVI-D 1x HDMI
LAN	1x Intel® I219LM 2x Intel® I211AT Optional 4-port PoE + Module: 4x Intel® I210IT
USB	6x USB 3.0
Serial ATA	2x SATA 3.0
Operating Temperature	-20 ~ 50 °C with 0.7 m/s air flow Note: i7-8700 supports SSD only -20 ~ 60 °C with 0.7 m/s air flow
Power Requirement	1x 9V~36V DC input (for system power input) 1x 12V DC input (for additional Power)
Weight	5.5 kg
Power supply	280W power adaptor
Dimensions	MAF800-x0 : 264mm(W) x 80mm(D) x 284 mm(H) 10.3" (W) x 3.14" (D) x 11.1" (H) MAF800-x3 : 264mm(W) x 161mm(D) x 284 mm(H) 10.3" (W) x 6.33" (D) x 11.1" (H)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	5%~90%@45°C (non-condensing)

Ordering Information

MAF800-E	Box PC Controller, Fanless Design, w/ Intel® Core™ i5-8500, 4GB x2 DDR4 SO-DIMM, 1x 2.5" 128GB MLC industrial-grade SSD, 4-ports PoE module, w/o Power adaptor
MAF800-2E	Box PC Controller, w/ Intel® Core™ i5-8500, 4GB x 2 DDR4 SO-DIMM, 1x 2.5" 128GB MLC industrial-grade SSD, 4-ports PoE module, 1x PCI-E x16 slot, 1x PCI-E x4 slot (Supports 211mm x 129mm x 41mm GUP card), w/o Power adaptor
MAF800-L2E	Box PC Controller (Long chest), w/ Intel® Core™ i7-8700, 4GB x 2 DDR4 SO-DIMM, 1x 2.5" 128GB MLC industrial-grade SSD, 4-ports PoE module, 1x PCI-E x16 slot, 1x PCI-E x4 slot (Support 310mm x 113mm x 38mm GPU card), w/o Power adaptor

Dimensions



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