

MAF800 Series

Industrial AI Computer

9th/8th Gen Intel® Core™ i7/i5/i3 High Performance Box PC with NVIDIA PCI-E Graphics GPU Card Support



Features

- 9th/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

System Mainboard	MBA800
CPU	9th/8th Gen Intel® Core™ processors TDP <= 65W
System Speed	Up to 4.6 GHz
Memory	2x DDR4-2133/2400 SO-DIMM 4GB, Max. 32GB
Graphics	NVIDIA GeForce GTX 1080 8GD5X / GeForce GTX 1060 6GD5 / GeForce GTX 1050-LN 4GD5
LAN	1x Intel® I219LM 2x Intel® I211AT Optional 4-port PoE + Module: 4x Intel® I210IT
Front Panel External I/O	1x HDMI, 1x DVI-I 6x USB 3.0, 3x RJ45 for Gigabit LAN 2x RS-232/422/485COM Ports, 2x RS-232 COM Ports 1x Audio connectors for Line out Power / HDD LED, 1x power button, 1x DC-In Power Connector for system power
Rear Panel External I/O	N/A
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)
Storage	2x 2.5" SSD + 1x mSATA socket
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Power Requirement	1x 9V~36V DC input (for system power input) 1x 12V DC input (for additional Power)
Power Supply	240W power adaptor (optional)
Construction	Aluminum & steel
Chassis Color	Sliver + navy blue
Weight	MAF800-E: 5.4 kg MAF800-2E: 9 kg MAF800-L2E: 10 kg
Dimensions	MAF800-E : 262mm(W) x 80mm(D) x 284 mm(H) 10.3" (W) x 3.15" (D) x 11.1" (H) MAF800-2E : 262mm(W) x 160mm(D) x 284 mm(H) 10.3" (W) x 6.3" (D) x 11.1" (H) MAF800-L2E : 363mm(W) x 160mm(D) x 284 mm(H) 14.3" (W) x 6.33" (D) x 11.1" (H)

Operating Temperature	-10 ~ 50 °C (14 ~ 140 °F) with airflow -10 ~ 45 °C (14 ~ 122 °F) without airflow
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	5%~90%@45°C (non-condensing)
Vibration	Operating: 0.25 Grms / 5 ~ 500 Hz Non-operating: 1 Grms / 5 ~ 500Hz
Shock	Operating : 20G / 11ms Non-operating : 40G / 11ms
Certification	CE, FCC class B, UL & CCC
Operating System	Windows10 / Linux

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 265mm x 114mm x 40mm GPU card), w/o Power adaptor

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MAF800 Series I/O View



MAF800-E



MAF800-2E



MAF800-L2E

Dimensions

