

AEC-6913

Advanced Fanless Embedded Controller With Intel® Atom™ Processor

Launching in Q2

Features

- Design for Industrial Automation
- Reliable Design: RS-422/485 + 10x. DIO
- Onboard 1MB (512KB) Non-Volatile Retentive RAM Flexible Expansion: PCI x 2 or PCIe [x1] x 1
- Operation Temp.: -20°C ~ 50°C
- Onboard Removal SIM Slot For Easy External Access in 3G Support
- Wireless Solution: Through 2 x Mini PCIe for WiFi/ 3G



Specifications

CPU	Intel® Atom™ D2550 1.86GHz	
Chipset	Intel® NM10	
System Memory	DDR3 800/1066 SDRAM SODIMM x 1, Max. 4GB	
Display Interface	VGA	—
	DVI	DVI-I x 1
	Others	—
Storage Device	SSD	CFast™ slot x 1
	HDD	2.5" HDD x 1
Network	LAN	NVRAM 512KB
	Wireless	Gigabit Ethernet, RJ-45 x 2
Front I/O	USB Port	USB3.0 x 2
	Display	DVI-I x 1
	Wireless	SIM slot x 1
	Storage	CFast™ slot x 1
	Audio	Line out phone jack x 1, MIC phone Jack x 1
	DIO	DIO (10-bit) x 1
	Others	Power Button x 1
Rear I/O	USB Port	USB2.0 x 4
	LAN	RJ-45 x 2, Gigabit Ethernet
	Serial Port	D-sub (RS-232/422/485) x 2
	Expansion	PCI slot x 2 or PCIe x 1
	Audio	—
	KB/MS	—
	Others	Power input x 1, Grounding lug, antenna hole x 3
Expansion	PCIe [x1]	—
	PCI	PCI slot x 2 or 1 PCIe
	Mini Card	Full-size x 2
	Mini PCI	—
	Others	—
Indicator	Front	HDD LED x 1, System LED x 1
	Rear	—
Power Requirement	DC 9-30V	
Power Consumption	—	
System Cooling	Passive	
Mounting	Wallmount/Din-rail	
Operating Temperature		-4°F ~ 122°F (-20°C ~ 50°C) w/o Airflow
		-4°F ~ 131°F (-20°C ~ 55°C) w/ Airflow
Storage Temperature		-4°F ~ 158°F (-20°C ~ 70°C)
Anti-Vibration		3g rms/ 5 ~ 500Hz/ operation – CFD
		1g rms/ 5~ 500Hz/ operation – HDD
Anti-Shock		50G peak acceleration (11 msec. duration) – CFD
		20G peak acceleration (11 msec. duration) – HDD
MTBF		—
Certification	EMC	CE /FCC Class A
	Safety	—
Dimension (W x H x D)		8.4"(W) x 3.7"(H) x 9.4"(D) (214mm x 94.8mm x 237.8mm)
Gross Weight		—

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Dimension

Unit: mm

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Ordering Information

- **AEC-6913-A1M-1010**
Embedded Controller, Intel® Atom™ D2550, 2GB, DVI, 4 COM, 4 USB, 2 LAN, 2 PCI, DC 9-30V
- **AEC-6913-A2M-1010**
Embedded Controller, Intel® Atom™ D2550, 2GB, DVI, 4 COM, 4 USB, 2 LAN, 1 PCIe, DC 9-30V

Optional Accessories

- TBD

Packing List

- TBD