

AEC-6913

Fanless Embedded Controller with Intel® NM10 Chipset

Front View



Rear View



Features

- Intel® D2550 1.8GHz Processor
- Intel® NM10 Chipset
- COM Module Integrated
- Isolated DI x 4 & DO x 4 (3KV)
- Isolated RS-232/RS-422/RS-485 x 2 (3KV)
- PCI x 2 or PCI-E[x1] x 1 and PCI-E[x16] x 1
- SIM Slot x 1
- Mini PCIe x 2
- Fanless Operation (-20°C ~ 65°C)



Rear I/O	USB Port	USB 2.0 Type A x 2
	LAN	—
	Serial Port	Isolated RS-232/422/485 x 2 (3KV, jump selection)
	DIO	ISOLATED DI X 10 PINS (DI X 4 AND DO X 4, 3KV),
	Audio	—
	KB/MS	—
Expansion	Others	3-pin terminal Power input x 1, Grounding screw x 1, PCI x 2 or PCI-E[x1] x 1 and PCI-E[x16] x 1, Isolated CAN Bus x 2(optional, 3KV)
	PCIe [x4]	Riser card: PCI-E[x1] x 1 and PCI-E[x16] x 1
	PCI	Riser card: PCI x 2
	Mini Card	2
Indicator	Mini PCI	—
	Others	—
	Front	—
Power Requirement	Rear	SYSTEM LED X 1, HDD LED X 1
	Power Consumption	DC-IN 9~30V INPUT, OPTIONAL 100~240V
System Cooling	Passive Cooling	—
Mounting	Wallmount	—
Operating Temperature	—	"Without Airflow, with Wide-temp storage & RAM -4°F ~ 149°F (-20°C ~ 65°C) - Power Consumption of the Riser card is below 30W"
Storage Temperature	—	-4°F ~ 158°F (-20°C ~ 70°C)
Anti-Vibration	—	"3 g rms/ 5 ~ 500Hz/ operation – CFD 1 g rms/ 5~ 500Hz/ operation – HDD"
Anti-Shock	—	"50 G peak acceleration (11 msec. duration) – CFD 20 G peak acceleration (11 msec. duration) – HDD"
MTBF	—	—
Certification	EMC	CE/FCC class A
	Safety	—
Dimension (W x H x D)	—	—
Gross Weight	—	—
Note	—	Windows® XP Embedded, Windows® XP, Windows® 7, Linux Fedora 10

Specifications

CPU	Intel® Core™ D2550 1.86GHz	
Chipset	Intel® NM10	
System Memory	DDR3 1066/1333MHz SODIMM x 2, up to 16GB	
Display Interface	VGA	—
	DVI	DVI-I x 1
	HDMI	—
	Others	—
Storage Device	SSD	CFAST™ slot
	HDD	2.5" SATA HDD bay x 1
Network	LAN	Gigabit Ethernet
	Wireless	Optional by Mini-card
Front I/O	USB Port	USB 2.0 Type A x 2, USB 3.0 Type A x 2
	LAN	GIGABIT ETHERNET, RJ-45 X 2
	Serial Port	RS-232 x 4, RS-232/422/485 x 2
	DIO	—
	Audio	—
	KB/MS	—
	Others	DVI-D x 1, DVI-I x 1, Mic in, Line in, Line out, Antenna holes x 3, Power Switch, LED x 2, CFAST slot x 1, Sim slot

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Dimension

Unit: mm

Launching In Q1

Ordering Information

Part Number	CPU	RAM	LAN	USB3.0	USB 2.0	RS-232	RS-232/422/485 + Isolation	RS-232/422/485 + Isolation	Isolation DIO	Storage	Display	Expansion	Mounting	Power	Temp.
AEC-6913-A1-1010	Intel® Atom™ D2550 (COM-CV)	4GB	2	2	4	4	2	2	DI x 4 & DO x 4	CFast x 1 & 2.5" HDD x 1	DVI-I x 1	Full-size mini PCIe Card x 2, PCI x 2 or PCIe [x1] x 1/PCIe [x16] x 1	Wallmount	9 ~ 30V	-20°C ~ 65°C (-4°F ~ 149°F) w/o Airflow

Packing List

- Wallmount Bracket x 2
- Phoenix Power Connector x 1
- Product DVD
- AEC-6913

Optional Accessories

- TBD