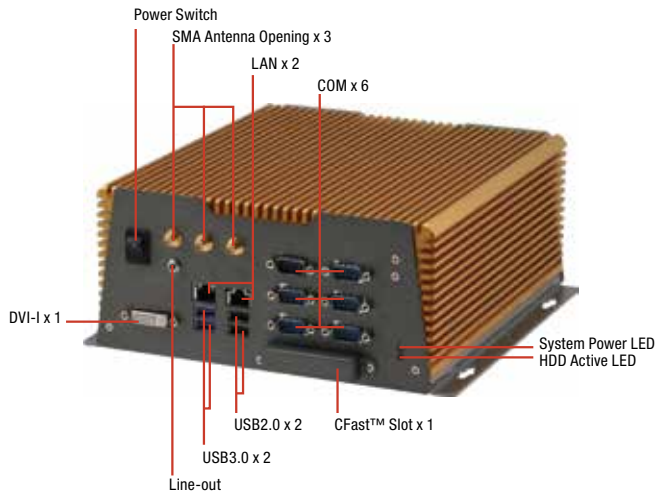
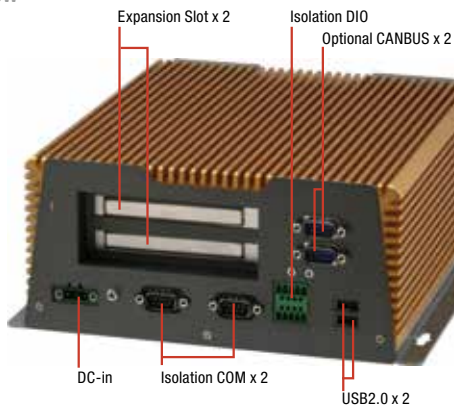


Fanless Embedded Controller with Intel® NM10 Chipset

Front View



Rear View



Features

- Intel® D2550 1.8 GHz 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
- SIM Slot x 1
- Mini-PCIe Mini-Card Slot x 2
- Fanless Operation (-20°C ~ 75°C) with Airflow



Rear I/O	USB Port	USB Type A x 2 for USB2.0
	LAN	RJ-45 x 2
	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 block x 1, Grounding screw x 1, Isolated CAN Bus x 2 (optional, 3KV)
	PCI-E [x1]	Riser card: PCI-E[x1] x 1
	PCI	Riser card: PCI x 2 (optional)
	Mini-Card	2
	Mini PCI	—
Indicator	Front	—
	Rear	System LED x 1, HDD LED x 1
Power Requirement	DC-in 9~30V input, optional AC-in 100~240V	
Power Consumption	—	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	-4°F ~ 149°F (-20°C ~ 65°C) w/o Airflow	
	-4°F ~ 167°F (-20°C ~ 75°C) w/ Airflow Power consumption of add-on PCI/PCIe card need to be under 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 (Hours)	55,000	
Certification	EMC	CE/FCC class A
	Safety	—
Dimension (W x H x D)	8.4" x 3.9" x 9.5" (214mm x 100mm x 241mm)	
Gross Weight	11 lb (5 kg)	
Note	Windows® XP Embedded, Windows® XP, Windows® 7, Linux Fedora 10	

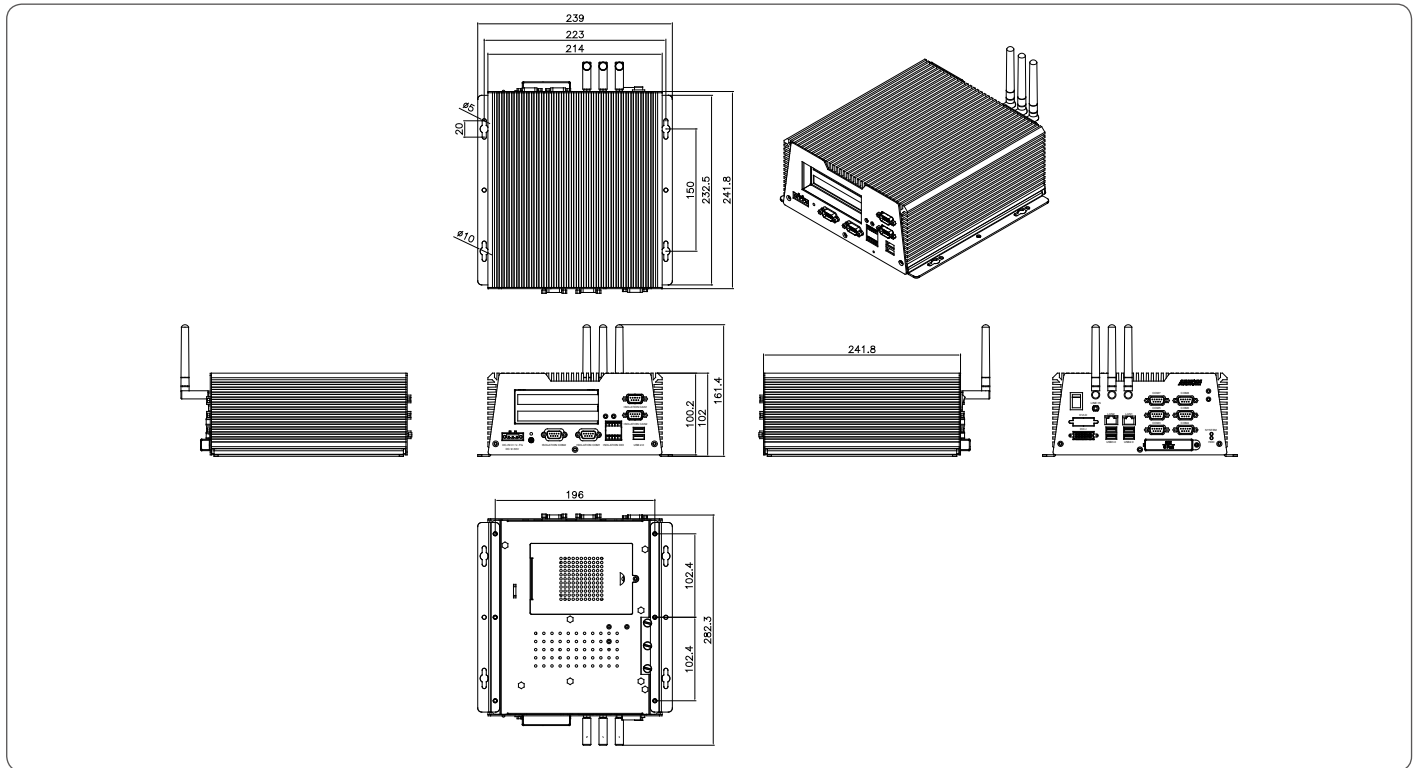
Specifications

CPU	Intel® Core™ D2550 1.86 GHz			
Chipset	Intel® NM10			
System Memory	DDR3 800/1066 MHz SODIMM x 1, up to 4 GB			
Display Interface	VGA	—		
	DVI	DVI-I x 1		
	HDMI	—		
	Others	—		
	SSD	CFast™ slot		
Storage Device	HDD	2.5" SATA HDD bay x 1		
	LAN	Gigabit Ethernet		
Network	Wireless	Optional by Mini-Card		
	USB Port	USB2.0 Type A x 2, USB3.0 Type A x 2		
Front I/O	LAN	Gigabit Ethernet, RJ-45 x 2		
	Serial Port	RS-232 x 4, RS-232/422/485 x 2		
	DIO	—		
	Audio	Line-out		
	KB/MS	—		
	Others	DVI-I x 1, Antenna hole x 3, Power Switch, LED x 2, CFast™ slot x 1, SIM slot x 1		

AEC-6913

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB3.0	USB2.0	RS-232	RS-232/422/485 + Isolation	RS-232/422/485	Isolation DIO	Storage	Display	Expansion	Mounting	Power	Temp.
AEC-6913-A0-1010	Intel® Atom™ D2550 (COM-CV)	—	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	Wallmount	9 ~ 30V	-20°C ~ 65°C (-4°F ~ 149°F) w/o Airflow
AEC-6913-A1-1010	Intel® Atom™ D2550 (COM-CV)	4 GB	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, PCIe [x1] x 1	Wallmount	9 ~ 30V	-20°C ~ 65°C (-4°F ~ 149°F) w/o Airflow
AEC-6913-A2-1010	Intel® Atom™ D2550 (COM-CV)	4 GB	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	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

- **1757912001**
Power Adapter (120W), Output: DC 19V
- **1702031830**
Power Cord (US Type)
- **1702031831**
Power Cord (European Type)
- **1702031810**
Power Cord (Japanese Type)