

# AEC-6523

Embedded Controller with Intel® Atom™ N2600 Processor, -40°C ~ 75°C

Front View



Rear View



## Features

- Intel® Atom™ N2600 Processor
- Intel® NM10 Express Chipset
- Intel® GMA 3600 Integrated Graphic Engine
- COM x 4, USB2.0 x 4
- Wide DC Power Input
- Fanless Operating System
- Dual Gigabit Ethernet LAN
- Wide Operating Temperature Range: -40°C ~ 75°C
  1. With W/T HDD: (-30°C ~ 70°C)
  2. With W/T HDD: (-40°C ~ 60°C)
- Memory, CFast™ Card, HDD Must Be Industrial Grade



Rear I/O	USB Port	USB type A x 2 for USB2.0	
	LAN	RJ-45 x 2 for 10/100/1000Base-TX	
	Serial Port	RS-232 x 3, RS-232/422/485 x 1	
	DIO	—	
	Audio	—	
	KB/MS	—	
Expansion	Others	3-pin terminal block x 1 for Power input, DB-15 x 1 for VGA	
	PCIe [x1]	—	
	PCI	—	
	Mini Card	1	
	Mini PCI	—	
Indicator	Others	—	
	Front	—	
	Rear	Power LED x 1, Hard Disk Drive active LED x 1	
Power Requirement	DC 9 ~ 30V with 3-pin terminal block		
Power Consumption	—		
System Cooling	Passive		
Mounting	Wallmount/ VESA/ DIN Rail		
Operating Temperature	Ambient with Airflow:	-22°F ~ 158°F (-30°C ~ 70°C)	No Airflow: -22°F ~ 149°F (-30°C ~ 65°C)
	Storage Temperature	Ambient with Airflow: -40°F ~ 140°F (-40°C ~ 60°C)	No Airflow: -40°F ~ 131°F (-40°C ~ 55°C)
Anti-Vibration	5g rms/ 5 ~ 500Hz/ operation – CFast™ Card 1g rms/ 5~ 500Hz/ operation – HDD		
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFast™ Card 20 G peak acceleration (11 msec. duration) – HDD		
Anti-Drop	92 cm (1 Corner, 3 Edge, 6 Surface)		
MTBF	—		
Certification	EMC	CE /FCC Class A	
	Safety	—	
Dimension (W x H x D)	—		
Gross Weight	4.85 lb (2.2 Kg)		
Note	Windows® XP Pro 32-bit, Windows® 7 32-bit, Windows® Embedded Standard 32-bit, Linux Fedora Core 14/ Kernel 2.635.x or above		

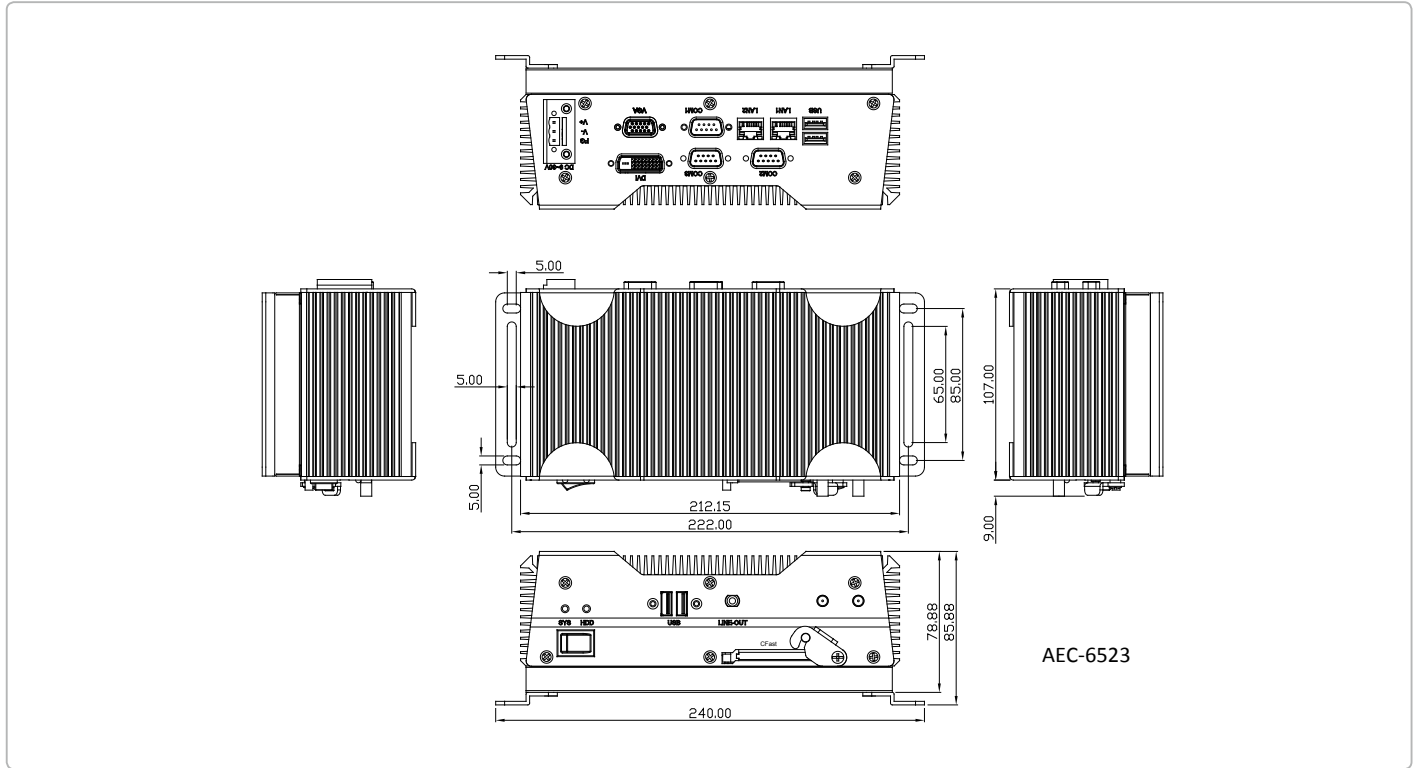
## Specifications

CPU	Intel® Atom™ N2600 Dual Core 1.6GHz	
Chipset	Intel® NM10 Chipset	
System Memory	204-pin DDR3 800/1066MHz SODIMM x 1, up to 2GB	
Display Interface	VGA	DB-15 x 1
	DVI	—
	Others	—
Storage Device	SSD	CFast™ Slot x 1 (w/Cover protection)
	HDD	2.5" SATA HDD bay x 1
	Others	—
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	—
Front I/O	USB Port	USB Type A x 2 for USB2.0
	LAN	—
	Serial Port	—
	DIO	Line out x 1
	Audio	—
	KB/MS	—
	Others	Power LED x 1, HDD LED x 1, Antenna Holes x 2 for Optional wireless, Power On/Off Switch x 1, CFast™ slot x 1

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## Dimension

Unit: mm



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## Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	Audio	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
AEC-6523-A1M-1010	Intel® Atom™ N2600 1.6GHz Processor	—	2	4	3	1	Line-out x 1	CFast™ Kit x 1	—	VGA x 1	Mini Card x 1	Wall mount Din Rail Mount Kit (Optional)	DC 9-30V	-30°C ~ 65°C With HDD (w/o air) -40°C ~ 55°C With HDD (w/o air)

## Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad (60mm x 25mm x 3mm) x 1
- Product CD
- AEC-6523

Note: The operating Temperature Spec will be changed when install expansion module.

## Optional Accessories

- **1757908401**  
Power Adapter (84W), Output: DC 12V
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **9741681003**  
DIN Rail Mount Kit
- **9741C50W00**  
Mini Card (PCIe) 802.11 b/g/n + Bluetooth v3.0\*