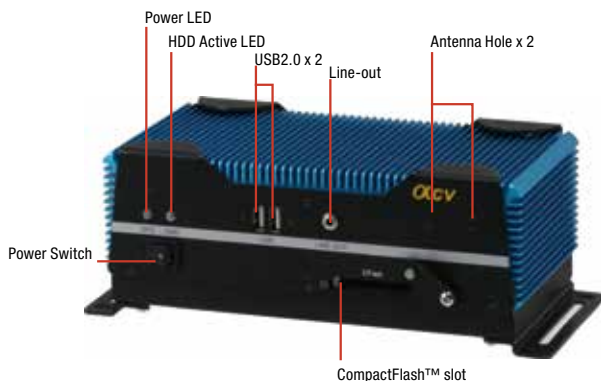
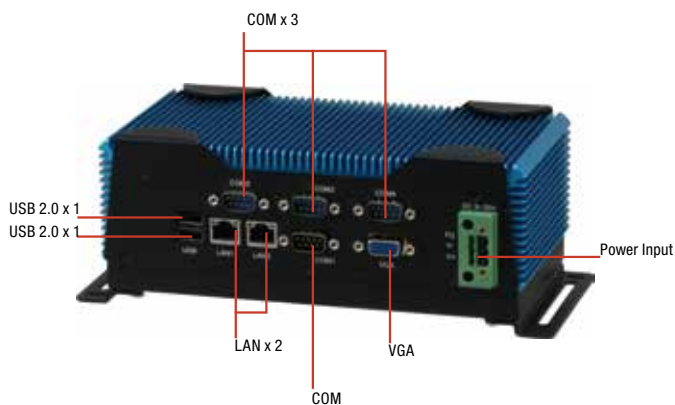


Fanless Embedded Controller with Intel® Atom™ N2600 Processor, -40°C ~ 70°C

Front View



Rear View



Specifications

CPU	Intel® Atom™ N2600 Dual Core 1.6 GHz
Chipset	Intel® NM10 Chipset
System Memory	204-pin DDR3 800/1066 MHz SODIMM x 1, up to 2 GB
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 USB 2.0
	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

Features

- Intel® Atom™ N2600 Processor
- Intel® NM10 Express Chipset
- Intel® GMA 3600 Integrated Graphic Engine
- COM x 4, USB 2.0 x 4
- Wide DC Power Input
- Fanless Operation
- Gigabit Ethernet x 2
- Wide Operating Temperature Range: -40°C ~ 70°C
 1. With W/T HDD: (-30°C ~ 70°C)
 2. With W/T CFast™: (-40°C ~ 60°C)
- Industrial Grade Memory, CFast™ Card, HDD

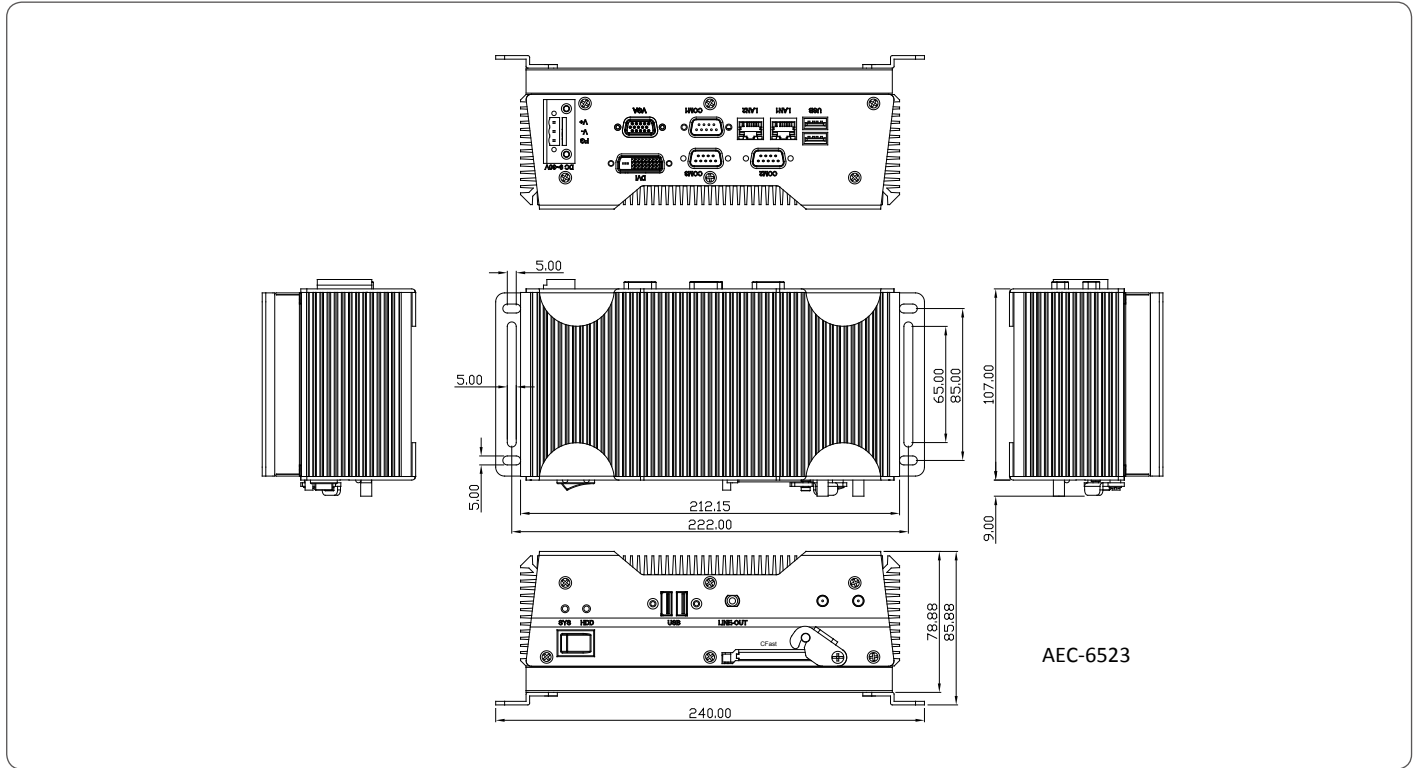


Rear I/O	USB Port	USB type A x 2 for USB 2.0	
	LAN	RJ-45 x 2 for 10/100/1000Base-TX	
	Serial Port	RS-232 x 3, RS-232/422/485 x 1	
	DIO	—	
	Audio	—	
	KB/MS	—	
Expansion	Others	3-pin terminal block x 1 for Power input, DB-15 x 1 for VGA	
	PCI-E [x1]	—	
	PCI	—	
	Mini-Card	1	
	Mini PCI	—	
Indicator	Others	—	
	Front	—	
Power Requirement	DC 9 ~ 30V with 3-pin terminal block	—	
	Power Consumption	Intel® AtomN2600 0.79A@12V (9.48W) without USB Loading	
System Cooling	Passive		
Mounting	Wallmount/ VESA/ DIN Rail		
Operating Temperature	Ambient with Airflow (W/T HDD): -22°F ~ 158°F (-30°C ~ 70°C)	No Airflow (W/T HDD): -22°F ~ 149°F (-30°C ~ 65°C)	
	Ambient with Airflow (W/T CFast™): -40°F ~ 140°F (-40°C ~ 60°C) with industrial grade device (according to IEC68-2-14)	No Airflow (W/T CFast™): -40°F ~ 131°F (-40°C ~ 55°C) with industrial grade device (according to IEC68-2-14)	
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°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	76 cm (1 Corner, 3 Edge, 6 Surface)		
MTBF (Hours)	135,000		
Certification	EMC	CE / FCC Class A	
	Safety	—	
Dimension (W x H x D)	8.35"(W) x 3.1"(H) x 2.25"(D) (212.15mm x 78.88mm x 107mm)		
Gross Weight	8.36 lb (3.8 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		

AEC-6523

Dimension

Unit: mm



AEC-6523

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 1.6 GHz	—	2	4	3	1	Line-out x 1	CFast™ Kit x 1 HDD Kit x 1	—	VGA x 1	Mini-Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 9-30V	-40°C ~ 60°C with W/T CFast™ (with Airflow) -30°C ~ 70°C with W/T HDD™ (with Airflow)with industrial grade device (according to IEC68-2-14)

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 spec. of operating Temperature will be changed when installing expansion module.

Optional Accessories

- **1757908401 - Operating Temperature 0°C ~ 40°C**
Power Adapter (84W), Output: DC 12V
- **1702031802 - Operating Temperature 0°C ~ 40°C**
Power Cord (US Type)
- **1702031803 - Operating Temperature 0°C ~ 40°C**
Power Cord (European Type)
- **170203180E - Operating Temperature 0°C ~ 40°C**
Power Cord (Japanese Type)
- **9741681003**
DIN Rail Mount Kit