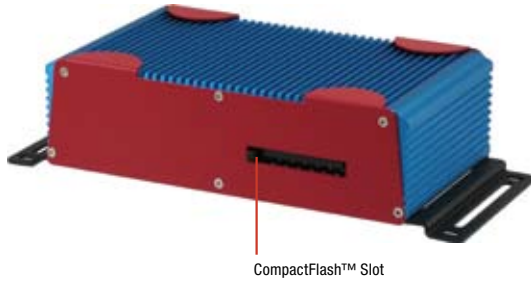


AEC-6522

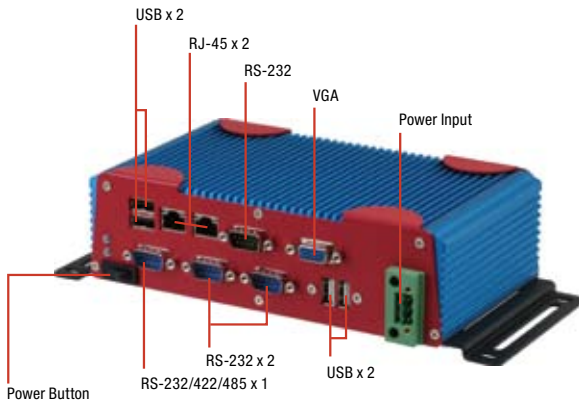
Embedded Controller with Intel® Atom™ N455/D525 Processor

Front View



CompactFlash™ Slot

Rear View



Features

- Intel® Atom™ N455/D525 Processor
- Intel® ICH8M Chipset
- Up to COM x 4, USB x 4
- Wide DC power Input
- Fanless Operating System
- Gigabit Ethernet x 2
- Wide Operating Temperature Range: -40°C ~ 75°C
- Memory, CompactFlash™, HDD Must Be Industrial Grade



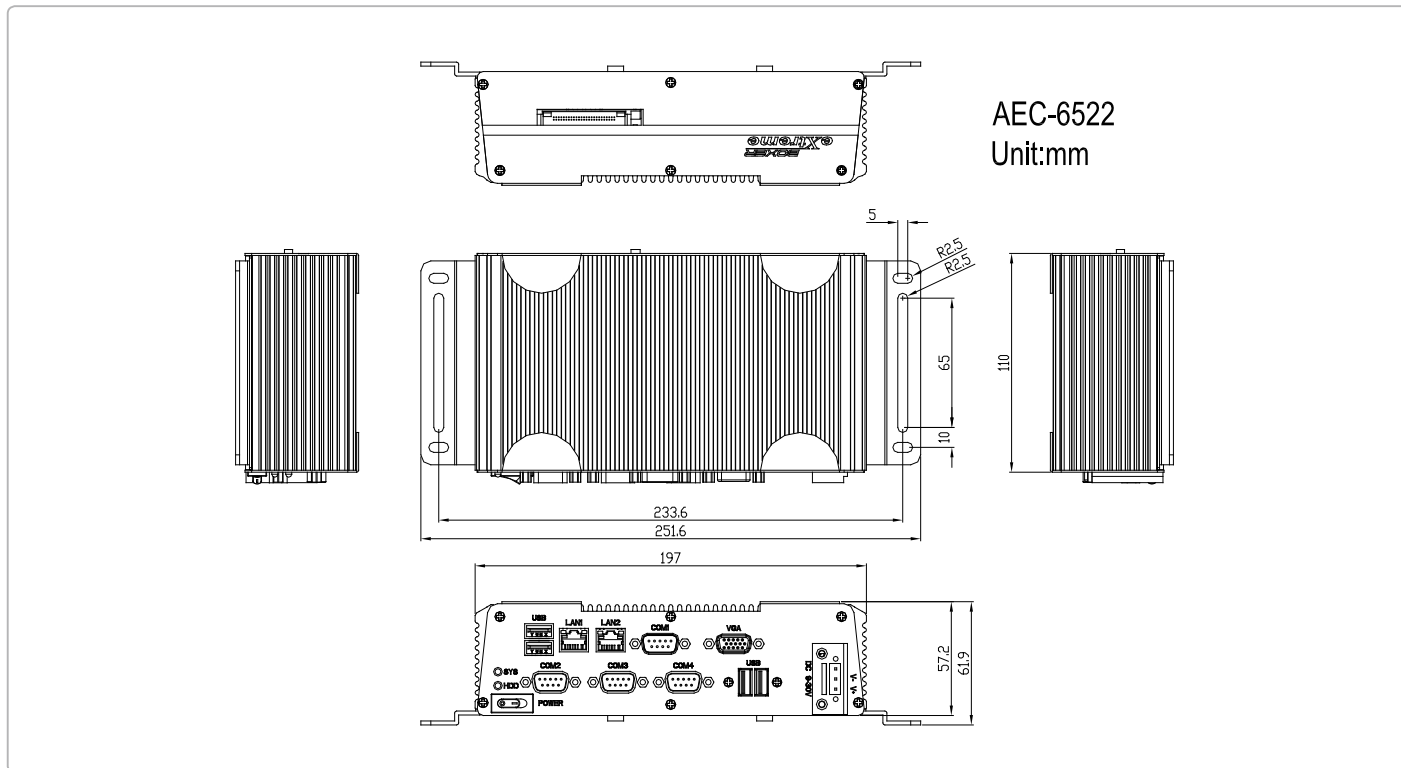
Specifications

CPU	Intel Atom D525 1.8GHz/ N455 1.6GHz	
Chipset	Intel® ICH8M	
System Memory	204-pin DDR3 SODIMM 667/800 MHz x 1, Max 4G for D525 (Max. 2G for N455)	
Display Interface	VGA	DB-15 x 1
	DVI	—
	Others	—
Storage Device	SSD	Compact Flash™ Slot x 1
	HDD	2.5" SATA HDD bay x 1
	Others	—
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	—
Front I/O	USB Port	—
	LAN	—
	Serial Port	—
	DIO	—
	Audio	—
	KB/MS	—
	Others	CompactFlash™ slot x 1
	USB Port	USB2.0 x 4
Rear I/O	LAN	RJ-45 x 2
	Serial Port	RS-232 x 3, RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
	Others	Power input x 1, VGA x 1, Power Button x 1
Expansion	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Mini PCI	—
	Others	—
Indicator	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	
Operating Temperature	Ambient with Airflow -40°F ~ 167°F (-40°C ~ 75°C)	
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)	
Anti-Vibration	5g rms/ 5 ~ 500Hz/ operation – CFD 1g 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	4.85 lb (2.2 Kg)	
Note	Windows® XP Pro, Windows® Embedded Standard, Windows® 7, Linux Fedora	

AEC-6522

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	Audio	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
AEC-6522-A1M-1010	Intel® Atom™ N455 1.66GHz processor	—	2	4	3	1	—	CFD Kit x 1 HDD Kit x 1	—	VGA x 1	Mini Card x 1	Wall mount Din Rail Mount Kit (Option) VESA Mount Kit (Option)	DC 9-30V	-30°C~70°C (w/o air)
AEC-6522-A2M-1010	Intel® Atom™ D525 1.8GHz processor	—	2	4	3	1	—	CFD Kit x 1 HDD Kit x 1	—	VGA x 1	Mini Card x 1	Wall mount Din Rail Mount Kit (Option) VESA Mount Kit (Option)	DC 9-30V	-30°C~70°C (w/o air)

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad (60mm x 25mm x 3mm) x 1
- CD-ROM for Manual (in PDF Format) and Drivers
- AEC-6522

Optional Accessories

- **1757904002**
Power Adapter (40W), Output: DC 12V
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741662505**
VESA Mount Kit
- **9741681003**
DIN Rail Mount Kit