

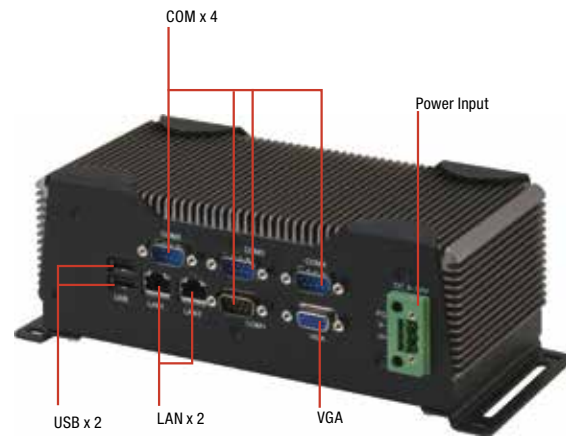
AEC-6613

Fanless Embedded Controller with Intel® NM10 Chipset

Front View



Rear View



Specifications

CPU	Intel® Atom™ D2550 1.86GHz	
Chipset	Intel® NM10	
System Memory	DDR3 800/1066 SODIMM x 1, up to 4GB	
Display Interface	VGA	DB-15 x 1
	DVI	DVI-D x 1 (For A3/A4/A3M/A4M)
	Others	—
Storage Device	SSD	CFast™ Slot x 1 (w/Cover protection)
	HDD	2.5" SATA HDD bay x 1 (AEC-6613-A2/AEC6613-A2M)
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	Optional by mini-card
Front I/O	USB Port	USB2.0 x 2
	LAN	—
	Serial Port	—
	DIO	—
	Audio	Line-out x 1
	KB/MS	—
	Others	Power ON/OFF Switch x 1, Power LED x 1, HDD LED x 1 CFast™ slot x 1, antenna hole x 2

Features

- Intel® Atom™ D2550 Processor
- Intel® NM10 Express Chipset
- Intel® GMA 3650 Integrated Graphic Engine
- COM x 4
- USB2.0 x 4
- Dual Gigabit Ethernet LAN
- VGA Output
- Fanless System Design
- DVI-D Output (A3/A4/A3M/A4M)
- AAEON's Hi-Safe Support

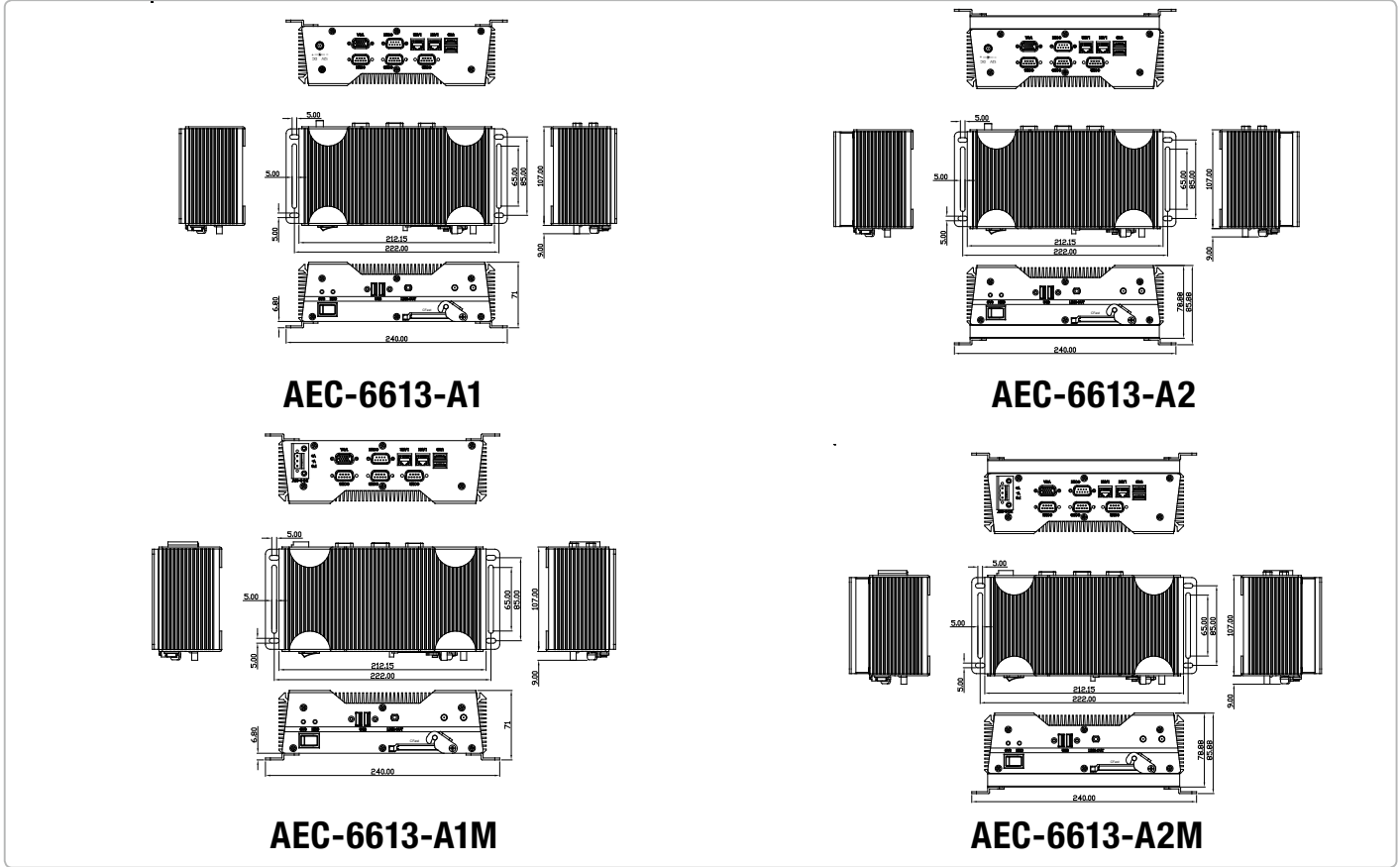


Rear I/O	USB Port	USB 2.0 x 2
	LAN	RJ-45 x 2
	Serial Port	RS-232 x 3 (optional extra 2), RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
Others	Power input x 1	
Expansion	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Mini PCI	—
Others	—	
Indicator	Front	Power LED x 1, Hard Disk Drive active LED x 1
	Rear	—
Power Requirement	DC-in 12V, with DC jack lockable, DC 9 ~ 30V with 3-pin terminal block	
Power Consumption	Intel® Atom™ D2550 1.86GHz 0.5A@30V	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	Ambient with Airflow: 5°F ~ 131°F (-15°C ~ 55°C) - (HDD) 5°F ~ 140°F (-15°C ~ 60°C) - (CFast™ Card)	No Airflow: 5°F ~ 122°F (-15°C ~ 50°C) - (HDD) 5°F ~ 131°F (-15°C ~ 55°C) - (CFast™ Card)
	Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°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	
MTBF	56,000	
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	8.38 lb (3.8 Kg)	
Net Weight	4.75 lb (2.76 Kg)	
Note	Windows® 7, Linux Fedora, Windows® XP (D2550B3 Only)	

AEC-6613

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.
TF-AEC-6613-A1-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1	-	VGA x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 12V	-15°C ~ 55°C with CFast™ (w/o air)
TF-AEC-6613-A1M-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1	-	VGA x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 9-30V	-15°C ~ 55°C with CFast™ (w/o air)
TF-AEC-6613-A2-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	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 12V	-15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air)
TF-AEC-6613-A2M-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	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	-15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air)
TF-AEC-6613-A3-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1	-	VGA x 1 DVI-D x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 12V	-15°C ~ 55°C with CFast™ (w/o air)
TF-AEC-6613-A3M-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1	-	VGA x 1 DVI-D x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 9-30V	-15°C ~ 55°C with CFast™ (w/o air)
TF-AEC-6613-A4-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1 HDD kit x 1	-	VGA x 1 DVI-D x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 12V	-15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air)
TF-AEC-6613-A4M-1210	Intel® Atom™ D2550 (B3) 1.86GHz processor	-	2	4	3	1	Line-out x 1	CFast™ kit x 1 HDD kit x 1	-	VGA x 1 DVI-D x 1	Mini Card x 1	Wallmount Din Rail Mount Kit (Optional)	DC 9-30V	-15°C ~ 55°C with CFast™ (w/o air) -15°C ~ 50°C with HDD (w/o air)

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad x 1 (60mm x 25mm x 3mm)
- Phoenix Power Connector x 1
- Product CD
- AEC-6613

Optional Accessories

- **1757306007** - DC Jack for AEC-6613-A1/A2/A3/A4
Power Adapter, 100/240V, 12V, w/ lockable Connector, 5A, 60W, DC
- **1757908401** - 3 pin for AEC-6613-A1M/A2M/A3M/A4M
Power Adapter, 84W, 12V
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741681003**
Din Rail Mount Kit
- **9741C50W01**
Mini Card (PCIe) 802.11 b/g/n + Bluetooth 3.0
- **9741661300**
I/O Dust Cover Kit
- **9741661301**
2.5" HDD W/2nd RS-485 ASS'Y Kit for AEC-6613