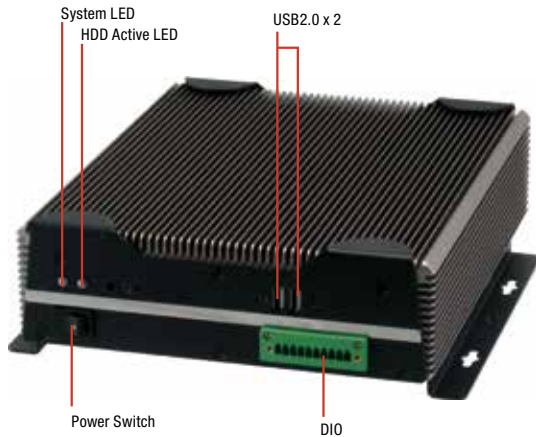


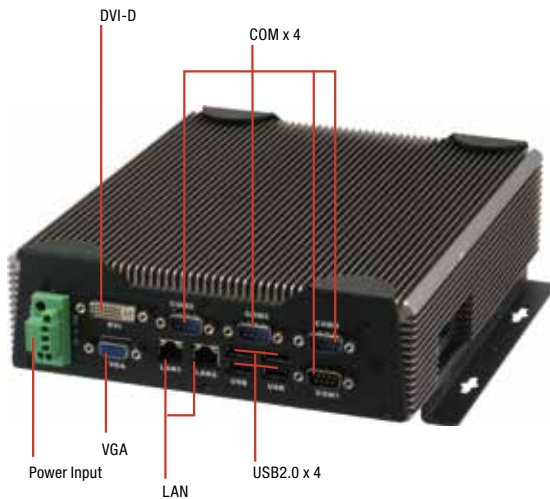
# AEC-6635

Fanless Embedded Controller with Intel® Core™ i7/i5 Processor

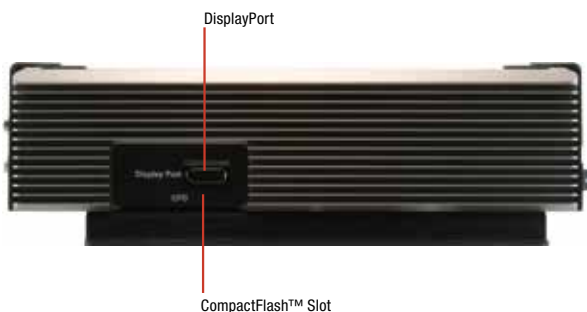
Front View



Rear View



Side View



## Features

- Intel® Core™ i7/i5 Processor
- Intel® QM57 Chipset
- DVI-D x 1, VGA x 1, DisplayPort x 1
- Up To COM x 4
- Up To USB x 6
- Fanless Operation
- Gigabit Ethernet x 2
- ATX/ACPI Power Mode



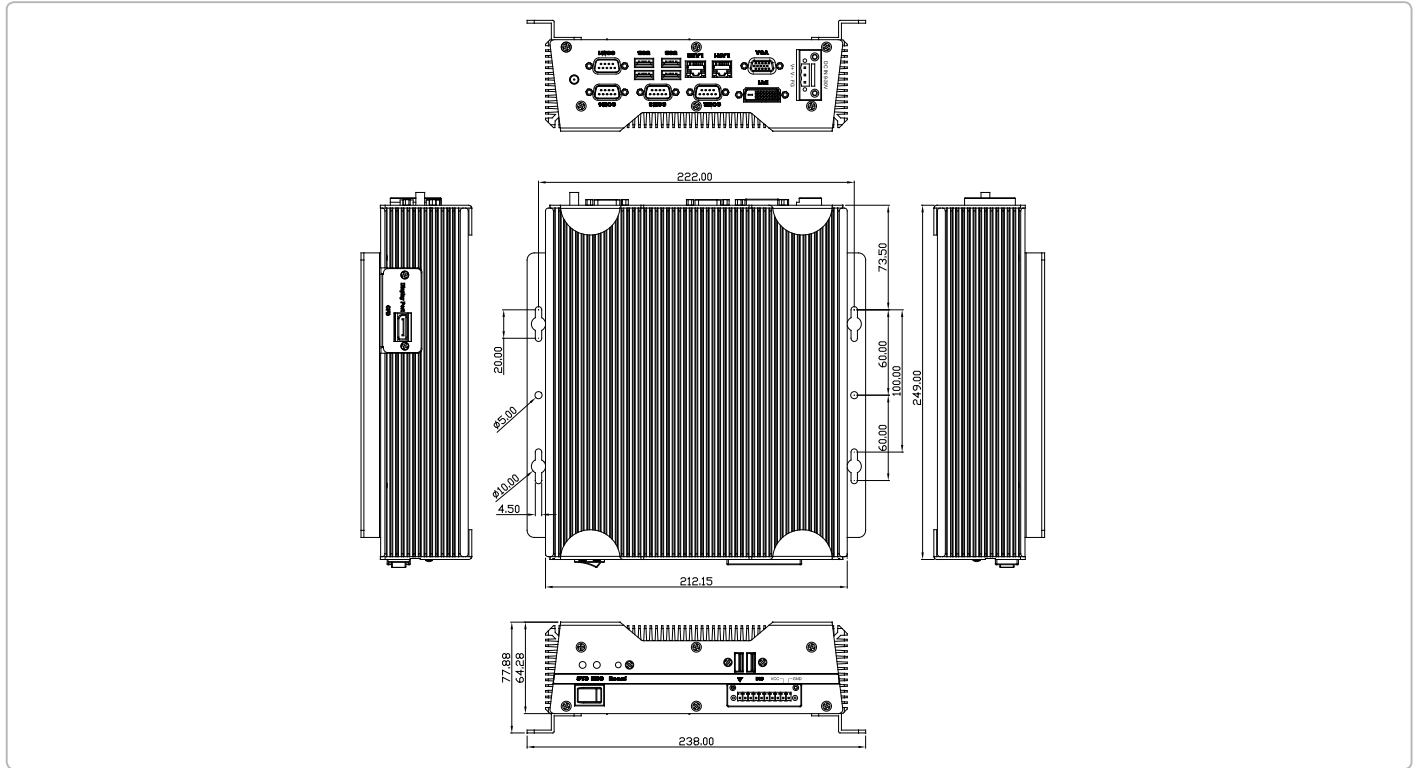
## Specifications

CPU	Intel® Core™ i7 620M 2.66GHz/ Intel® Core™ i5 520M 2.4GHz	
Chipset	Intel® QM57	
System Memory	204-pin DDR3 SODIMM x 1, up to 4GB	
Display Interface	VGA	DB-15 x 1, shared system memory up to 512MB
	DVI	DVI-D x 1
	Others	DisplayPort x 1
Storage Device	SSD	CompactFlash™ Slot x 1 (w/Cover protection)
	HDD	2.5" SATA HDD drive bay x 1
Network	LAN	Gigabit Ethernet x 2
	Wireless	Optional WiFi kit (802.11b/g/n)
Front I/O	USB Port	USB 2.0 x 2
	LAN	—
	Serial Port	—
	DIO	4 DI + 4 DO
	Audio	—
	KB/MS	—
	Others	Power Switch x 1, Power reset x 1, SYS LED x 1, HDD LED x 1
Rear I/O	USB Port	USB 2.0 x 4
	LAN	RJ-45 x 2
	Serial Port	RS-232 x 3, RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
Expansion	Others	Power input x 1, DVI-D x 1, VGA x 1
	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Mini PCI	—
Indicator	Others	—
	Front	Power LED x 1, Hard Disk Drive active LED x 1
	Rear	—
Power Requirement	DC-in 9 ~ 30V	
Power Consumption	Intel® Core™ i7 620M 2.56GHz (35W) 1.58A@19V	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C) without Airflow	
	-4°F ~ 131°F (-20°C ~ 55°C) with Airflow	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 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	50,000	
Certification	EMC	CE /FCC Class A
	Safety	—
Dimension (W x H x D)	8.35" (w) x 2.52" (H) x 9.8" (D) (212mm x 64mm x 249mm)	
Gross Weight	10.34 lb (4.7 Kg)	
Note	—	

# AEC-6635

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	AUDIO	DIO	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
TF-AEC-6635-A1M-1010	Intel® Core™ i7-620M 2.66GHz processor	-	2	4	3	1	-	4DI+4DO	CF kit x 1 HDD kit x 1	-	DVI-D x 1 VGA x 1 Display port x 1	Mini Card x 1	Wallmount VESA Mount (Optional)	DC 9-30V	-20°C~50°C (w/o air)
TF-AEC-6635-A2M-1010	Intel® Core™ i5-520M 2.4GHz processor	-	2	4	3	1	-	4DI+4DO	CF kit x 1 HDD kit x 1	-	DVI-D x 1 VGA x 1 Display port x 1	Mini Card x 1	Wallmount VESA Mount (Optional)	DC 9-30V	-20°C~50°C (w/o air)

## Packing List

- Wallmount Brackets x 2
- Screw Package x 1
- RAM Thermal Pad (60mm x 25mm x 3mm) x 1
- Product DVD
- AEC-6635

## Optional Accessories

- **1757912001**  
Power Adapter (120W), Input: AC 100 ~ 240V; Output: DC 19V
- **1702031830**  
Power Cord (US Type) - for 1757912001
- **1702031831**  
Power Cord (European Type) - for 1757912001
- **1702031810**  
Power Cord (Japanese Type) - for 1757912001
- **9741663501**  
2.5" SATA HDD/DVD Kit w/o DVD-ROM
- **9741663502**  
Dual 2.5" SATA HDD Kit
- **9741663503**  
Dual 2.5" SATA HDD Kit (Removable)
- **9741663504**  
Slim DVD-ROM + 2.5" SATA HDD Kit
- **9741662505**  
VESA Mount Kit
- **9741C50W01**  
Mini Card (PCIe) 802.11 b/g/n + Bluetooth 3.0
- **9741663505**  
Dual 2.5" SATA HDD Kit (Removable) (Lock-key)
- **9741663500**  
External Fan Kit for AEC-6635
- **9741662509**  
I/O Dust Cover Kit for AEC-6625/6635
- **9741663507**  
I/O Dust Cover for AEC-6635\_DIO\_Display Port
- **9741663508**  
Dual USB3.0(EMT 72022ME) ASS'Y Kit for AEC-6635