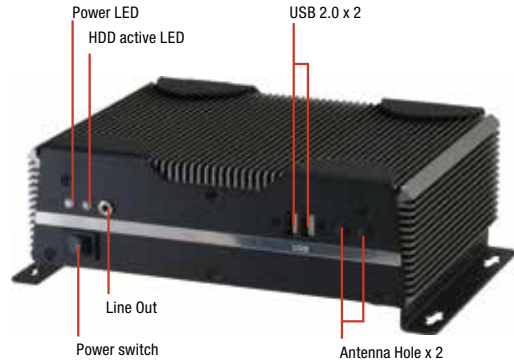
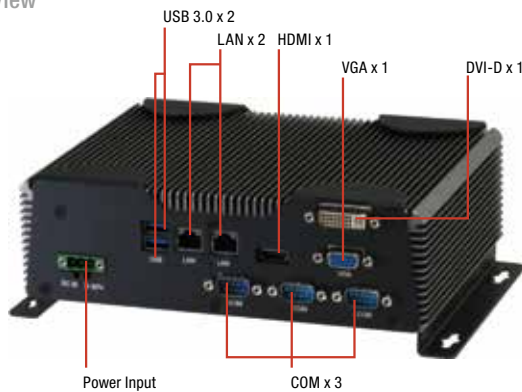


## Fanless Embedded Box PC with 4th Generation Intel® Core™ i7/i5/i3 Processor and PCH QM87

Front View



Rear View



## Features

- 4th Generation Intel® Core™ i7/i5/i3 Processor CPU: i7-4700EQ (2.4 GHz)[37W]/ i5-4400E (2.7 GHz)[37W]/ i3-4100E (2.4 GHz)[37W]
- COM Port x 3, USB 3.0 x 2 , USB 2.0 x 2
- Intel® Gigabit Ethernet x 2 (Intel® I217/I218 Gigabit PHY & Intel® I210/I211 Gigabit)
- VGA Output Resolution: Up to 2048 x 1536 (QXGA) @ 60 Hz
- DVI-D Output Resolution: 1920 x 1200 @ 60 Hz
- HDMI Output Resolution: Up to 3840 x 2160 @ 30 Hz
- Mini-Card x 1 or mSATA x 1 Selected by Jumper Setting
- Fanless System Design
- AAEON's Hi-Safe & Hi-Manager Support



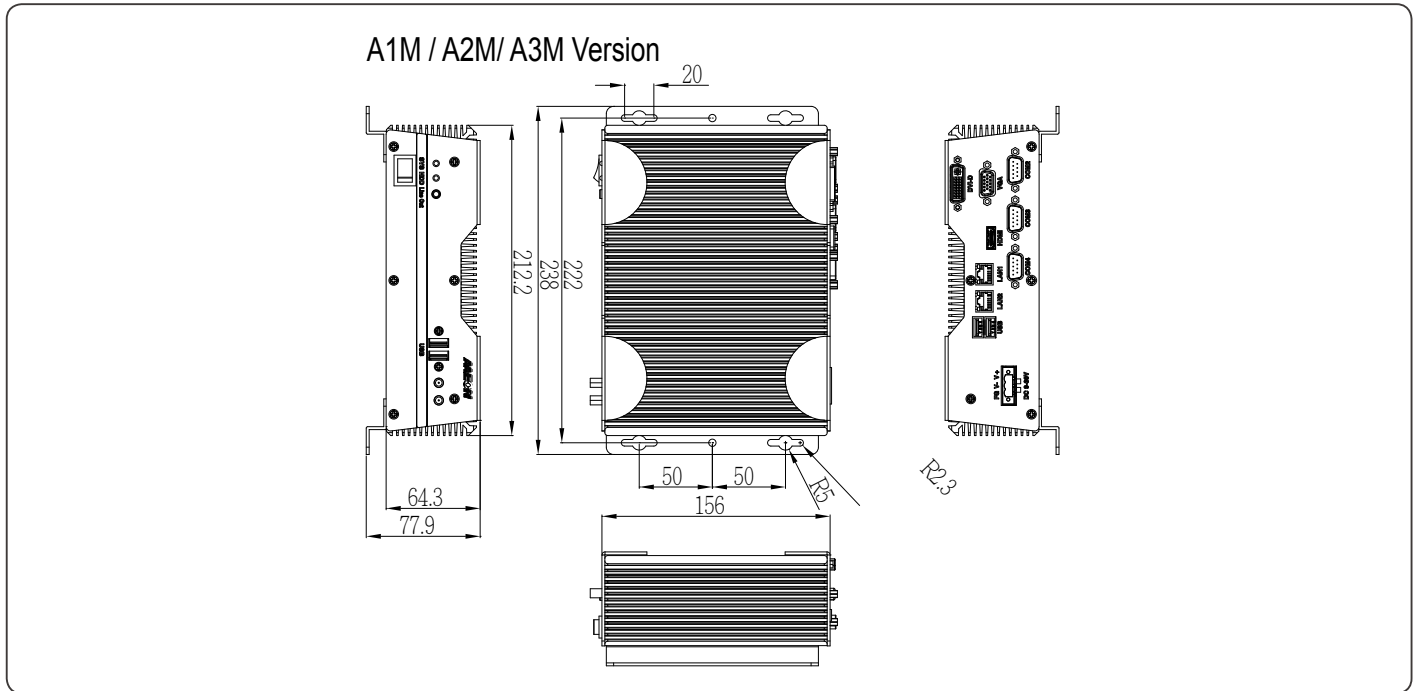
Environmental	
Operating Temperature	-15°C ~ 50°C with W.T. CFast™ card -15°C ~ 55°C with W.T. HDD (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-20°C ~ 70°C
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	5 Grms/ 5 ~ 500Hz/ operation –CFast™ card 1 Grms/ 5~ 500Hz/ operation – HDD
Certification	CE/FCC class A

## Specifications

System	
CPU	Intel® 4th Generation Core™ i7-4700EQ, 2.4 GHz Intel® 4th Generation Core™ i5-4400EQ, 2.7 GHz Intel® 4th Generation Core™ i3-4100EQ, 2.4 GHz
Chipset	Intel® QM87
System Memory	DDR3L 1333/1600 SODIMM x 1, up to 8 GB
Display Interface	VGA, HDMI, DVI-D
Storage Device	CFast™, HDD/SSD
Ethernet	Intel® I211AT, 10/100/1000Base-TX x 1 Intel® I217LM, 10/100/1000Base-TX x 1
I/O	RS-232/422/485 x 1 RS-232 x 3 USB 2.0 x 2 USB 3.0 x 2 VGA x 1 DVI-D x 1 Line-out x 1 LAN x 2 Antenna holes x 2 Power switch Power input
Expansion	Full-size Mini-Card x 1 with SIM slot
Indicator	Power LED HDD active LED
OS support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit), WES7/ WES8, Linux Ubuntu 14.04/ Kernel 3.13.0
Power Supply	
Power Requirement	9 - 30V with 3-pin terminal block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	8.35" x 2.53" x 6.14" (212.2mm x 64.3mm x 156mm)
Gross Weight	7.94 lb (3.6 kg)
Net Weight	6.0 lb (2.7 kg)

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	USB 2.0	RS-232	RS-232/422/485	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
AEC-6638-A1M-1010	i3-4100E 2.4GHz processor	—	2	2	2	2	1	CFast™ kit x 1 SSD/HDD kit x 1	—	VGA x 1 DVI-D x 1 HDMI x 1	Mini-Card x 1	Wallmount	DC 9-30V	5°F ~ 122°F (-15°C ~ 50°C) – with W/T CFast™ (with Airflow) 5°F ~ 131°F (-15°C ~ 55°C) – with W/T HDD (with Airflow) With industrial grade device (According to IEC68-2-14)
AEC-6638-A2M-1010	i5-4400E 2.7GHz processor	—	2	2	2	2	1	CFast™ kit x 1 SSD/HDD kit x 1	—	VGA x 1 DVI-D x 1 HDMI x 1	Mini-Card x 1	Wallmount	DC 9-30V	5°F ~ 122°F (-15°C ~ 50°C) – with W/T CFast™ (with Airflow) 5°F ~ 131°F (-15°C ~ 55°C) – with W/T HDD (with Airflow) With industrial grade device (According to IEC68-2-14)
AEC-6638-A3M-1010	i7-4700EQ 2.4 GHz processor	—	2	2	2	2	1	CFast™ kit x 1 SSD/HDD kit x 1	—	VGA x 1 DVI-D x 1 HDMI x 1	Mini-Card x 1	Wallmount	DC 9-30V	5°F ~ 122°F (-15°C ~ 50°C) – with W/T CFast™ (with Airflow) 5°F ~ 131°F (-15°C ~ 55°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 x 4 (1998F15003 x 1, 199866630 x 2, 199866652 x 1)
- Product DVD
- AEC-6638

## Optional Accessories

- **1255901202**  
Power Adapter (120W), Input: AC100/240V, Output: DC 19V, 6A
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **9741C50W04**  
Factory-install Wireless LAN Kit, for AEC Series, (Spark LAN WPEA-152GN), IEEE 802.11 b/g/n w/ Cable & Antenna
- **9741C50W05**  
Factory-install Wireless LAN kit, for AEC series, (Spark LAN WPEA-251NPEA), IEEE 802.11 a/b/g/n Dual Band w/ Cable & Antenna
- **9741663703**  
Factory-install Dual 2.5" SATA HDD Kit, Removable
- **9741663704**  
Factory-install Dual 2.5" SATA HDD Kit, AEC-6636/6637
- **974166250A**  
Factory-install 3.5" HDD ASS'Y Kit, for AEC-6625/6636/6637
- **9741663701**  
Factory-install 2.5" SATA HDD/DVD Kit w/o DVD-ROM
- **9741663700**  
Factory-install Slim DVD-ROM + 2.5" SATA HDD Kit
- **9741663705**  
External Fan Kit