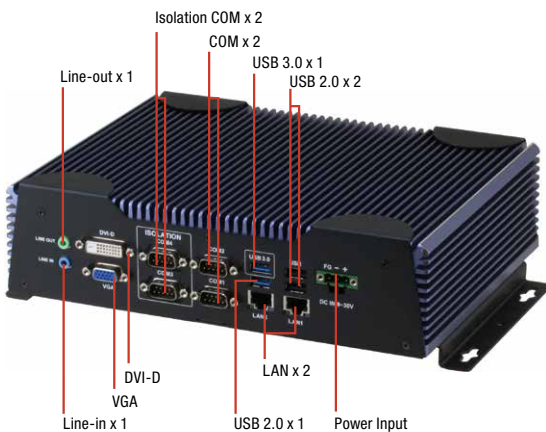


## Fanless Embedded Box PC with Intel® Atom™ E3845 Quad Core 1.91 GHz Processor SoC

Front View



Rear View



## Specifications

CPU	Intel® Atom™ E3845 Quad Core 1.91 GHz Processor SoC
Chipset	Intel® SoC
System Memory	204-pin DDR3L SODIMM x 1, support DDR3L 1333, up to 8 GB
Display Interface	VGA D-Sub 15 x 1, Resolution: up to 2560 x 1600 @ 60 Hz
	DVI DVI-D x 1, Resolution: up to 1920 x 1080 @ 60 Hz
	Others —
Storage Device	SSD CFast™ slot x 1 (with SIM Card Socket)
	HDD 2.5" SATA HDD/SSD Bay x 1
	Others —
Network	LAN Gigabit Ethernet, RJ-45 x 2
	Wireless Optional by Mini-Card wireless module
Front I/O	USB Port USB 2.0 x 2
	LAN —
	Serial Port DB9 x 2 for COM 5/6: RS-232
	DIO —
	Audio —
	KB/MS —
	Others CFast™ slot x 1 (with SIM Card Socket), Power switch x 1, LED x 6 for System/HDD/ LAN1 TX/ LAN1 RX/ LAN2 TX/ LAN 2 RX

## Features

- Intel® Atom™ E3845 Quad Core 1.91 GHz Processor SoC
- COM x 6: Isolated RS-232/422/485 x 2 + RS-232 x 4
- USB 3.0 x 1, USB 2.0 x 5
- Two Intel® Gigabit Ethernet LAN
- Intel® HD Graphics Engine
- VGA + DVI-D output
- SATA 3.0 Gb/s
- DDR3L 1333 SODIMM x 1, Memory up to 8 GB

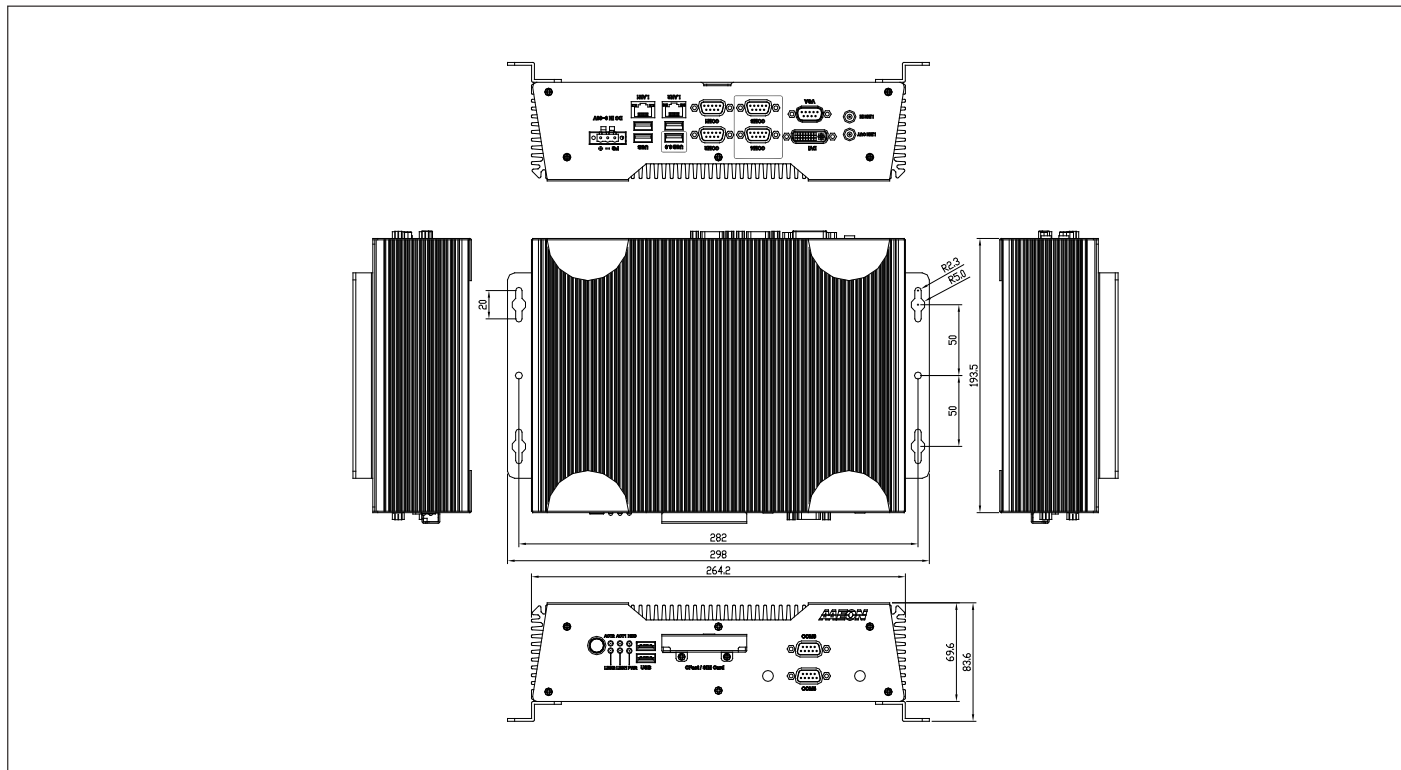


Rear I/O	USB Port	USB 3.0 x 1, USB 2.0 x 3
	LAN	Intel® Gigabit Ethernet, RJ-45 x 2
	Serial Port	DB9 x 4 for COM 1: RS-232 (Ring / +5V / +12V) (Jumper select) COM 2 RS-232 (Ring / +5V / +12V) (Jumper select) COM 3, 4 RS-232/422/485 with Auto Flow & isolation 2500Vdc (RS-232/422/485 by Jumper select)
	DIO	—
	Audio	Line-in x 1 / Line-out x 1
	KB/MS	—
Expansion	Others	VGA x 1, DVI-D x 1
	PCIe [x1]	—
	PCI	—
	Mini-Card	Full size x 1, Half size x 1
	Mini PCI	—
Indicator	Others	SIM Card Socket x 1
	Front	LED x 6, for System/HDD/LAN1 TX/LAN1 RX/LAN2 TX/LAN 2 RX
Power Requirement	DC 9 ~ 30V with 3-pin terminal block	
Power Consumption	—	
System Cooling	Passive cooling	
Mounting	—	
Operating Temperature	-13°F ~ 149°F (-25°C ~ 65°C) with industrial grade device (with 0.5 m/s airflow, according to IEC68-2-14)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C) with industrial grade device (according to IEC68-2-1, IEC68-2-2, IEC68-2-3)	
Anti-Vibration	5 Grms/5~500Hz/ operation - CFast™ 5 Grms/5~500Hz/ operation - SSD 1 Grms/5~500Hz/ operation - HDD	
Anti-Shock	50 G peak acceleration - CFast™ Card 50 G peak acceleration - SSD, 20 G peak acceleration - HDD	
Anti-Drop	76 cm (1 Corner, 3 Edge, 6 Surface)	
MTBF (Hours)	100,000	
Certification	EMC	CE /FCC Class A
	Safety	—
Dimension (W x H x D)	10.4" x 2.7" x 7.6" (264.2 mm x 69.6 mm x 193.5 mm)	
Gross Weight	1.1 lb (5 kg)	
Note	Windows® 7, Windows® 8.1, WES7, WES8, Linux Ubuntu 12.04 / Kernel 3.2.0	

# BOXER-6651

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	USB 2.0	RS-232	Isolation RS-232/422/485	AUDIO	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
BOXER-6651-A1M-1010	Intel® Atom™ E3845 SoC	—	2	1	5	4	2	Line-in x 1 Line-out x 1	CFast™ slot x 1 2.5" SATA HDD/ SSD drive bay x 1	—	VGA x 1 DVI-D X 1	Full size Mini-Card x 1 Half size Mini-Card x 1	Wallmount	DC in 9-30V	-13°F ~ 149°F (-25°C ~ 65°C) with industrial grade device (with 0.5 m/s airflow, according to IEC68-2-14)

## Packing List

- Wallmount Brackets x 2
- Screw Package x 1
- RAM Thermal Pad (60mm x 25mm x 3mm) x 1
- Phoenix Power Connector x 1
- Product DVD
- BOXER-6651

## Optional Accessories

- **1255900841 - 3 pin for BOXER-6651-A1M**  
Adapter, AC/DC, input AC, 90-264, output DC 12V, 7A, 84W, 3p phoenix ,FSP, FSP084-DIBAN2
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)