

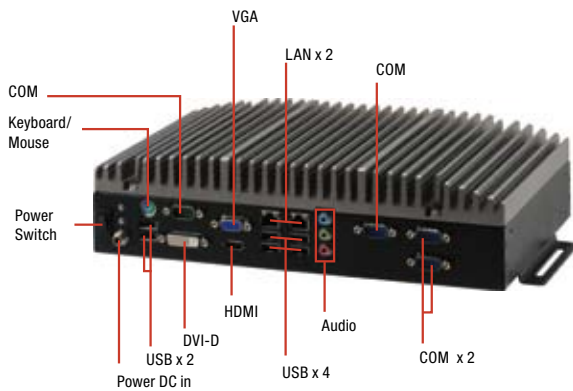
# AEC-6646

Fanless Embedded Controller with Intel® H61A Chipset and Maximum 65W Intel® Core™ i LGA1155 Socket Processor Support

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BOXER Lite Series - Fanless Embedded Controller Solutions

Front View



Rear View



## Features

- Intel® Core™ i Desktop LGA1155 Socket CPU Support (Maximum 65W CPU)
- Intel® H61 Chipset
- Easy to Install CPU & Memory & HDD: Just By 4 Screws
- Compact Size
- Cost-Effective Design
- Fanless System Design
- AAEON's Hi-Safe Support



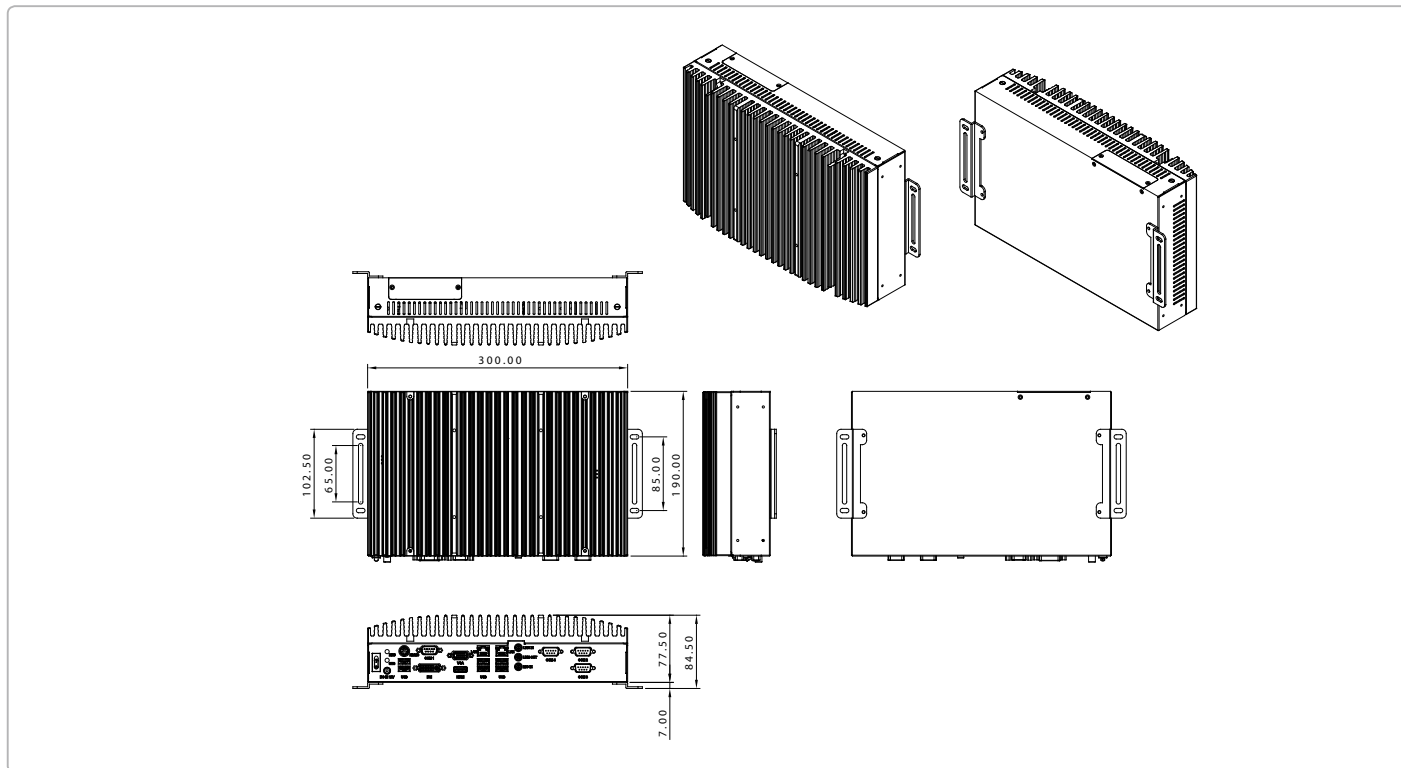
## Specifications

CPU	Intel® Core™ i Desktop LGA1155 socket CPU (Maximum 65w) Support such as Intel® Pentium® CPU G540T @ 2.10GHz Intel® Pentium® CPU G620 @ 2.60GHz Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz) Intel® Core™ i3-2105 Processor (3M Cache, 3.10 GHz)
Chipset	Intel® H61
System Memory	204-pin DDR3 SODIMM 1333/1066 SODIMM X2, Max. 16GB
Display Interface	VGA DB-15 x 1
	DVI DVI-D x1
	Others HDMI x 1
Storage Device	SSD CFAST™ Slot x 1 (w/Cover protection)
	HDD 2.5" SATA HDD bay x 1
	Others —
Network	LAN Gigabit Ethernet, RJ-45 x 2
	Wireless Optional Wi-Fi/Bluetooth kit
Front I/O	USB Port USB2.0 x 6
	LAN RJ-45 x 2
	Serial Port RS-232/422/485 x 1, RS-232 X 3
	DIO —
	Audio Mic-in/ Line-out/ Line-in
	KB/MS PS/2 x 1 for keyboard & mouse
	Others Power input x 1, Power Button x 1
Rear I/O	USB Port —
	LAN —
	Serial Port —
	DIO —
	Audio —
	KB/MS —
Others Antenna hole x 2 for optional Wi-Fi/Bluetooth kit CFAST™ slot x 1	
Expansion	PCIe [x1] —
	PCI —
	Mini Card 1
	Mini PCI —
Indicator	Others —
	Front —
	Rear Power LED x 1, Hard Disk Drive active LED x 1
Power Requirement	Lockable DC jack x 1 for DC12V
Power Consumption	Intel® Core™ i3-2120, 3.3GHz Processor, 4.71A@12V (note: AEC-6646-A1-1010 is a barebone without CPU/RAM/HDD or SSD.)
System Cooling	Passive
Mounting	Wallmount
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	14°F ~ 140°F (-10°C ~ 60°C)
Anti-Vibration	1g rms / 5 ~ 500Hz / operation – CFAST™ 1g rms / 5 ~ 500Hz / operation – HDD

# AEC-6646

## Dimension

Unit: mm



Anti-Shock	20 G peak acceleration (11 msec. duration)	
MTBF	117,000	
Certification	EMC	CE/FCC Class A
	Safety	—
Dimension (W x H x D)	11.81" (W) x 3.05" (H) x 7.84" (D) (300mm x 7.55mm x 190mm)	
Gross Weight	12.98lb (5.9Kg)	
Note	Windows® XP, Windows® Embedded Standard, Windows® Embedded Standard 7, Windows® 7, Linux Fedora	

## Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
AEC-6646-A1-1010	—	—	2	6	3	1	CFast™ kit x 1 HDD kit x 1	—	VGA x 1, DVI-D x 1, HDMI x 1	Mini Card x 1	Wallmount	DC 12V	0°C ~ 40°C (w/o air)

## Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- DVD-ROM for Manual (in PDF Format) and Drivers
- AEC-6646

## Optional Accessories

- **1757908403**  
Power Adapter(84W), Output: DC12V
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **9741C50W02 (Factory Install)**  
Mini Card (PCIe) 802.11 b/g/n + Bluetooth 3.0