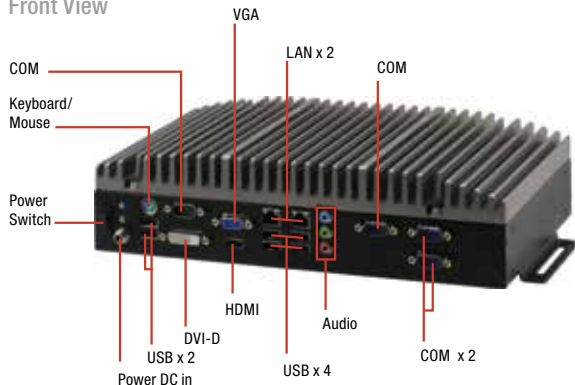


AEC-6646

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

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



Expansion	PCIe [x1]	—
	PCI	—
	Mini Card	1
	Mini PCI	—
Indicator	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 – HDD
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 77.5mm x 190mm)
Gross Weight		12.98lb (5.9Kg)
Note		Windows® XP, Windows® Embedded Standard, Windows® Embedded Standard 7, Windows® 7, Linux Fedora

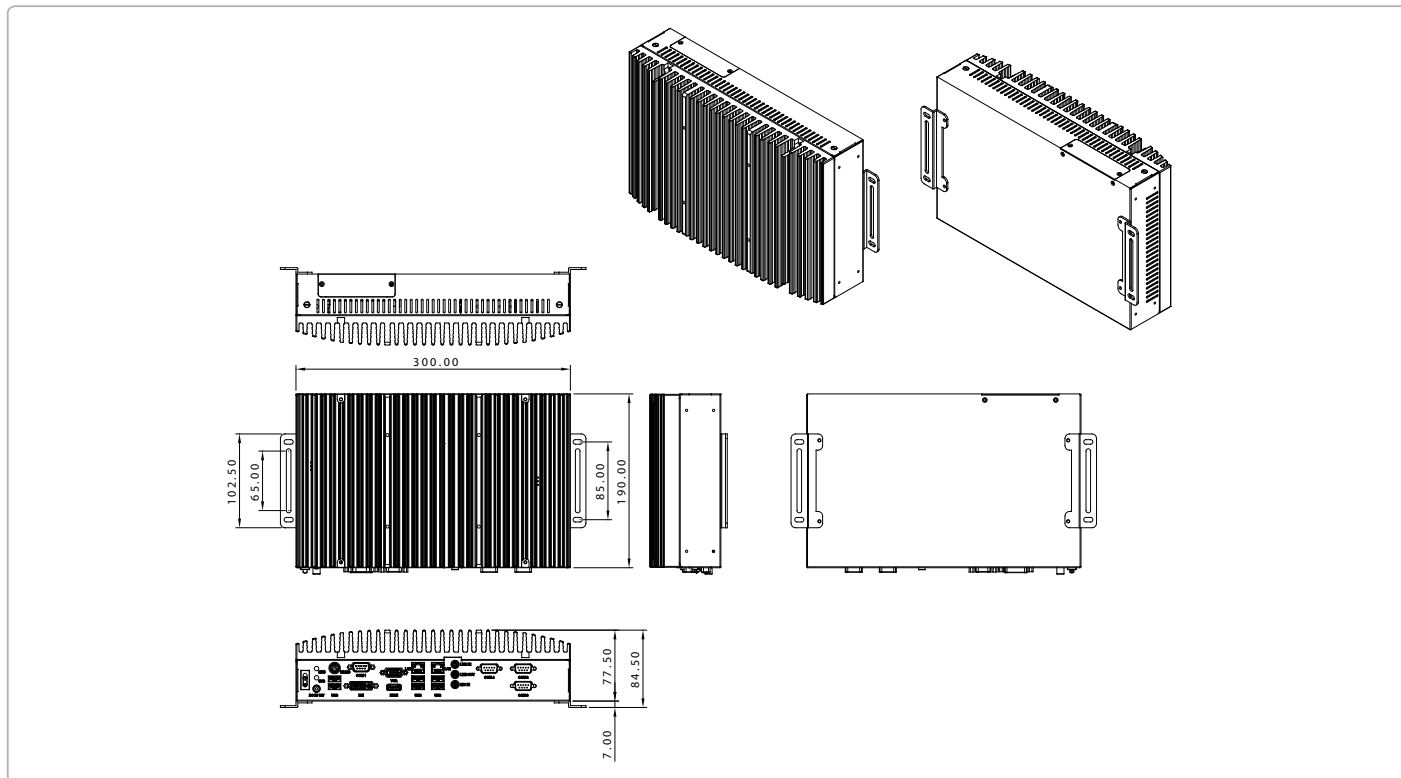
Specifications

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 1333/1066MHz SODIMM x 2, up to 16GB	
Display Interface	VGA	DB-15 x 1
	DVI	DVI-D x1
	Others	HDMI x 1
Storage Device	SSD	—
	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

AEC-6646

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.
AEC-6646-A1-1010	—	—	2	6	3	1	Audio jack x 3 for Mic-in/ Line-out/ Line-in	2.5" SATA HDD bay 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 airflow)

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad (60 mm x 12.5 mm x 3 mm) x 1
- Product CD
- 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