

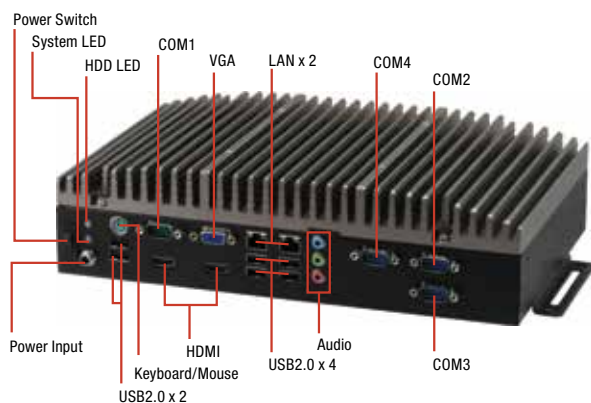
AEC-6646B

Fanless Embedded Controller with Intel® Core™ i Series Processor

Front View



Rear View



Features

- LGA1155 Socket Supports Desktop Intel® Core™ i Series Processor (Max. 55W)
- Intel® H61 Chipset
- HDMI Video Output x 2
- Easy to Install CPU & Memory & HDD By 4 Screws Only
- Compact Size
- Cost-Effective Design
- Fanless System Design



Expansion	PCIe	—
	PCI	—
	Mini-Card	1 (Only for Optional Factory-install module)
	Mini PCI	—
	Others	—
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	Core i3-3220 3.68A@12V (44.16W) without USB Loading	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	23°F ~ 113°F (-5°C ~ 45°C) with W/T HDD (with Airflow) with industrial grade device (according to IEC68-2-14)	
Storage Temperature	14°F ~ 140°F (-10°C ~ 60°C)	
Anti-Vibration	1 g rms / 5~ 500Hz / operation – HDD	
Anti-Shock	10 G peak acceleration (11 msec. duration)	
MTBF (Hours)	115,000	
Certification	EMC	CE/FCC Class A
	Safety	—
Dimension (W x H x D)	11.81" (W) x 3.05" (H) x 7.48"(D) (300mm x 77.5mm x 190mm)	
Gross Weight	12.98 lb (5.9 Kg)	
Note	Windows® XP, Windows® 7 (32/64-bit), Windows® 8.1 (32/64-bit), WES2009, WES7 32/64-bit, WES8 32/64-bit, Linux Fedora 15/ Kernel 2.6.38.6	

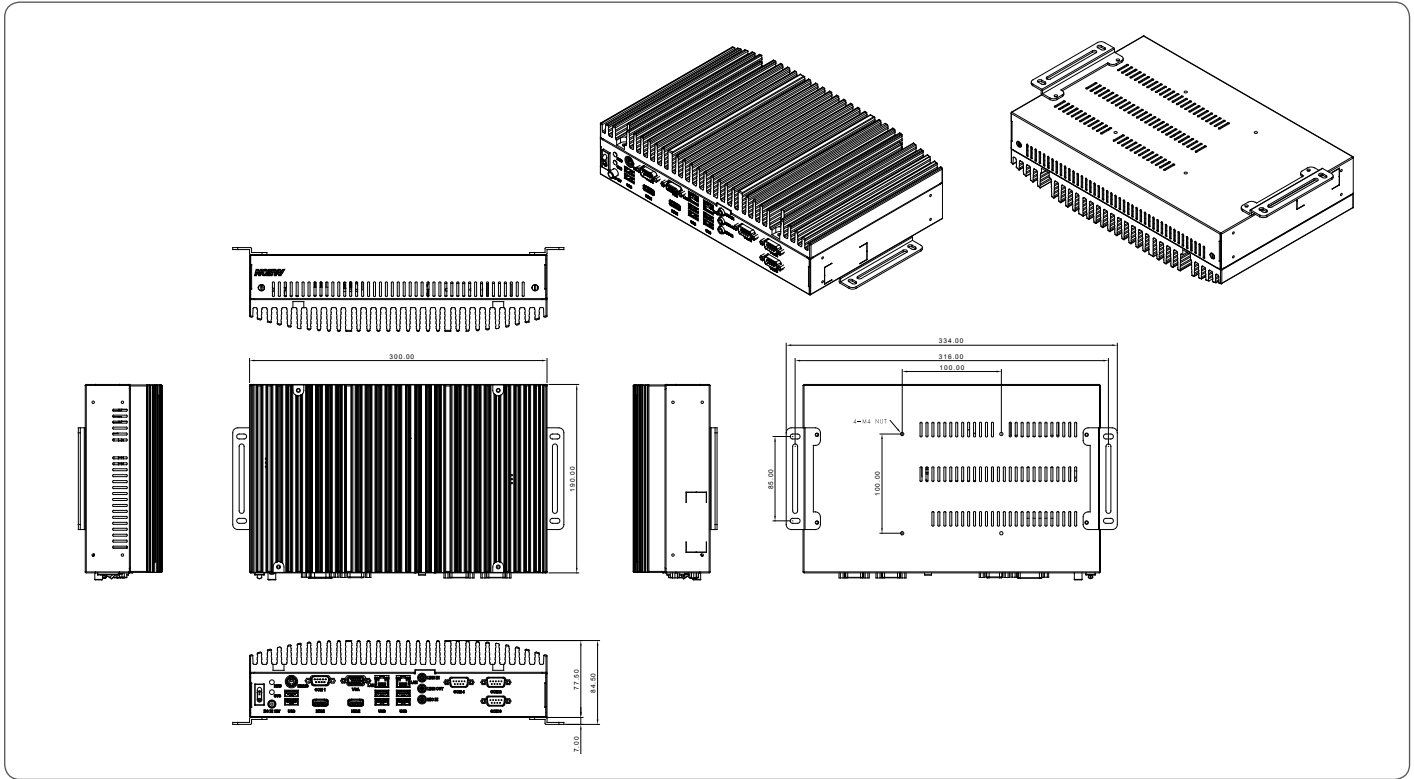
Specifications

CPU	LGA1155 socket for Desktop Intel® Core™/Pentium® processor (Max. 55W); supports: Intel® Pentium® G540 @ 2.50 GHz Intel® Pentium® G850 @ 2.90 GHz Intel® Core™ i3-2120 (3M Cache, 3.30 GHz) Intel® Core™ i3-3220 (3M Cache, 3.10 GHz)	
Chipset	Intel® H61	
System Memory	204-pin DDR3 1333/1066 MHz SODIMM x 2, up to 16 GB	
Display Interface	VGA	DB-15 x 1
	DVI	—
	HDMI	HDMI x 2
	Others	—
Storage Device	CF-SATA	—
	HDD/SSD	2.5" SATA HDD bay x 1
	Others	—
Network	LAN	Gigabit Ethernet
	Wireless	Optional by Wi-Fi/Bluetooth kit (only for factory-install)
Front I/O	USB Port	—
	LAN	—
	Serial Port	—
	DIO	—
	Audio	—
	KB/MS	—
	Others	Antenna hole x 2 for Optional Wi-Fi/Bluetooth kit (by factory-install)
	USB Port	USB2.0 x 6
Rear I/O	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

AEC-6646B

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-B1-1011	—	—	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 HDMI x 2	Mini-Card x 1	Wallmount	DC 12V	23°F ~ 113°F (-5°C ~ 45°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 (60mm x 12.5mm x 3mm) x 1
- Product DVD
- AEC-6646B

Optional Accessories

- **1757908403**
Power Adapter (84W), Output: DC 12V 7A
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)