

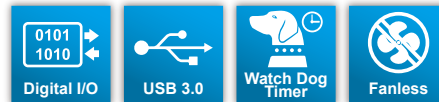
# AES-HM76Z1FL

Fanless and Ultra Slim Intel HM76 Embedded System



## Features

- Fanless and ultra slim design
- Support Intel Ivy Bridge CPU with HM76 chipset
- 2 x DDR3L-1600MHz, SO-DIMM, up to 16GB
- Support SATA III and CF storage
- HDMI/VGA/USB/Audio/GPIO output interface
- Serial ports by RS-232 and RS-422/485
- 2 x GbE, 1 x SIM, and 1 x mini PCIe(for 3G/WiFi)



CE FCC

## Specification

### System

CPU	Intel Core i7 3517UE 1.7GHz Intel Core i3 3217UE 1.6GHz Intel Celeron Processor 1047UE 1.4GHz Intel Celeron Processor 927UE 1.5GHz
Chipset	Intel HM76
Memory	2 x DDR3L-1600MHz, SO-DIMM, up to 16GB
BIOS	AMI
Hardware Monitoring	CPU voltage and temperature
WatchDog Timer	Software programmable 1~255 sec.

### Video

Graphic Controller	Integrated within HM76
Video Interface	• 2 x HDMI (HDMI Type A connector) • 1 x VGA (Combo connector)

### Ethernet

Ethernet	• 2 x GbE (RJ45 with LED) • Realtek RTL8111F
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### Storage

SATA	1 x SATA III port with SATA power connector
CF	1 x Compact Flash Type II socket

### I/O

Expansion	1 x mini PCIe socket(For 3.5G/WiFi)
SIM	1 x SIM slot (SIM card changeable without opening case)
USB	• 3 x USB 3.0 (USB 3.0 Type A connector) • 2 x USB 2.0 (1 for Mini PCIe / 1 for Combo connector)
Serial Port	• 2 x RS-232 (DB9 connector) • 2 x RS-422/485 (DB15 connector, shared with GPIO)
Audio	• 1 x Line-Out (Combo connector) • Realtek ALC662
GPIO	• 8 x GPI (DB15 connector, shared with RS-422/485) • 8 x GPO (DB15 connector, shared with RS-422/485)

### Power Requirement

Power Input	60W Power Adaptor (DC Jack)
Power Requirement	12VDC Single Voltage Input

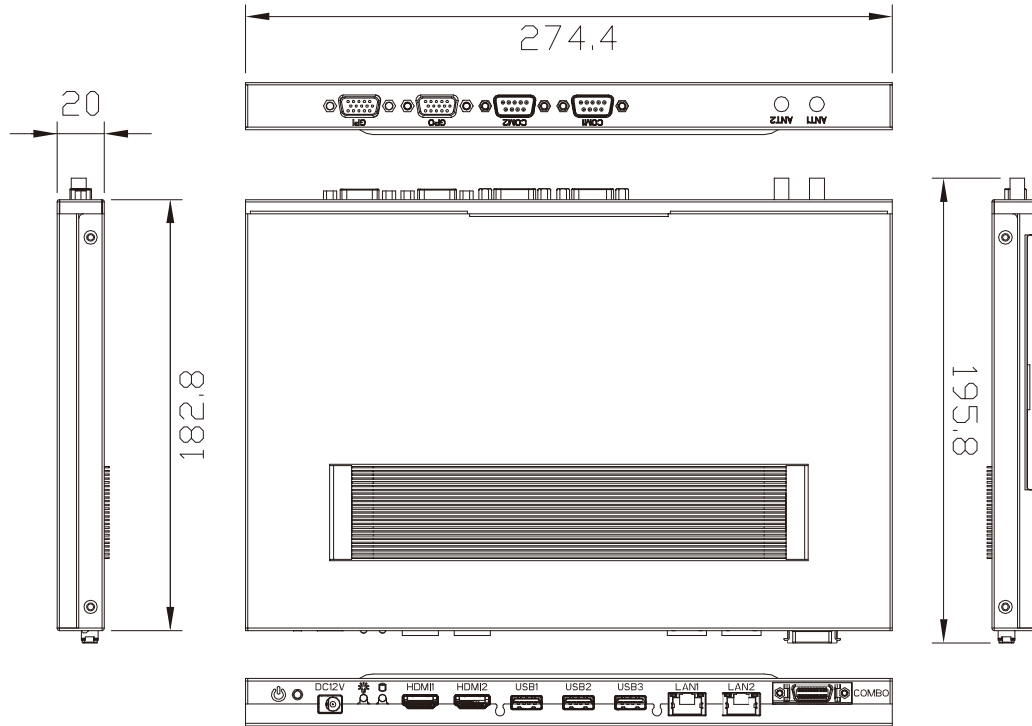
### Software

OS Support	Windows 7 (32), Windows 7 Embedded (32bit), Fedora 17 (32/64bit), Ubuntu 12.10 (32/64bit)
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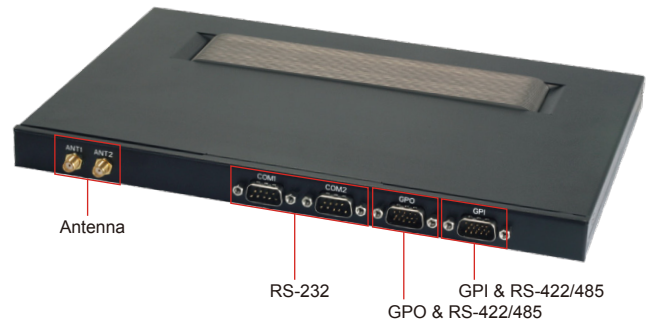
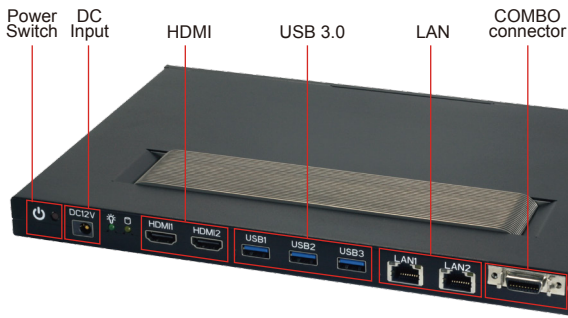
### Mechanical & Environment

Thermal Design	Fanless (Heatsink)
Dimension	272 mm x 183 mm x 20 mm
Operating Temp.	0~45°C (32~113°F)
Storage temp.	-40~80°C (-40~176°F)
Relative Humidity	0~90%, non-condensing
Safety	CE, FCC class A

## Dimension



## I/O Connectors



## Packing List

- 1 x AES-HM76Z1FL
- 1 x Quick Manual
- 1 x Utility CD
- 1 x Combo Cable
- 2 x GPIO Cable
- 1 x 60W Power Adapter
- 1 x Power Cord (Option for USA or Europe or Japan or UK)

## Ordering Information

AES-HM76Z1FLi71	AES- HM76Z1FL with Intel Core i7 3517UE 1.7GHz
AES-HM76Z1FLi31	AES- HM76Z1FL with Intel Core i3 3217UE 1.6GHz
AES-HM76Z1FLCE1	AES- HM76Z1FL with Intel Celeron 1047UE 1.4GHz
AES-HM76Z1FLCE2	AES- HM76Z1FL with Intel Celeron 927UE 1.5GHz

## Optional Modules

WiFi Module Kit	WiFi module, RF cable, Antenna
3.5G Module Kit	3.5G module, RF cable, Antenna