

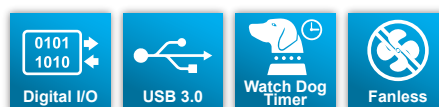
AES-HM76Z1FL

Fanless and Ultra Slim Intel HM76 Embedded System

Features



- Fanless and ultra slim design
- Support Intel Ivy Bridge CPU with HM76 chipset
- 2 x DDR3 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)



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 204-pin SO-DIMM sockets support 1333/1600MHz DDR3 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	<ul style="list-style-type: none"> ● 2 x HDMI (HDMI Type A connector) ● 1 x VGA (Combo connector)
Ethernet	
Ethernet	<ul style="list-style-type: none"> ● 2 x GbE (RJ45 with LED) ● Realtek RTL8111F
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	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 2 x RS-232 (DB9 connector) ● 2 x RS-422/485 (DB15 connector, shared with GPIO)
Audio	<ul style="list-style-type: none"> ● 1 x Line-Out (Combo connector) ● Realtek ALC662
GPIO	<ul style="list-style-type: none"> ● 8 x GPI (DB15 connector, shared with RS-422/485) ● 8 x GPO (DB15 connector, shared with RS-422/485)
Power Requirement	
Power Supply	60W Power Adaptor (DC Jack)
Power Requirement	12VDC Single Voltage Input

Software	
OS Support	Windows 7 (32/64bit), Windows 7 Embedded (32bit), Fedora 17 (32/64bit), Ubuntu 12.10 (32/64bit)

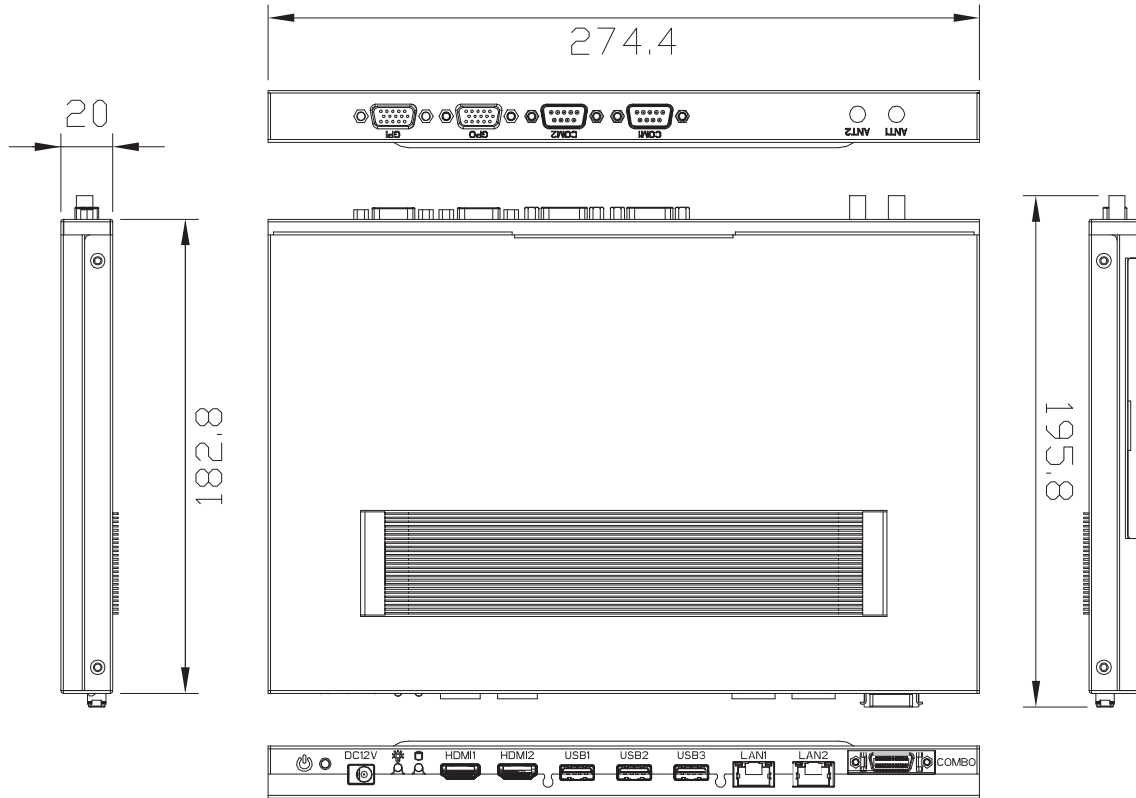
Mechanical & Environment	
Thermal Design	Fanless (Heatsink)
Dimension	272 mm x 183 mm x 20 mm
Operating Temp.	0 ~ 45°C (32 ~ 113°F)
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Relative Humidity	0 ~ 90%, non-condensing
Safety	CE, FCC class A

Packing List	
<ul style="list-style-type: none"> ● 1 x AES-HM76Z1FL ● 1 x Quick Manual ● 1 x Utility CD ● 1 x Combo Cable ● 2 x GPIO Cable ● 1 x 60W Power Adaptor ● 1 x Power Cord (Option for USA or Europe or Japan or UK) 	

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

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

Dimension



I/O Connector

