AIV-HM76V0FL

Fanless In-Vehicle system, Intel Core i3/i5/i7 + HM76 with smart power system, GPS/3.5G/WiFi/Bluetooth option module
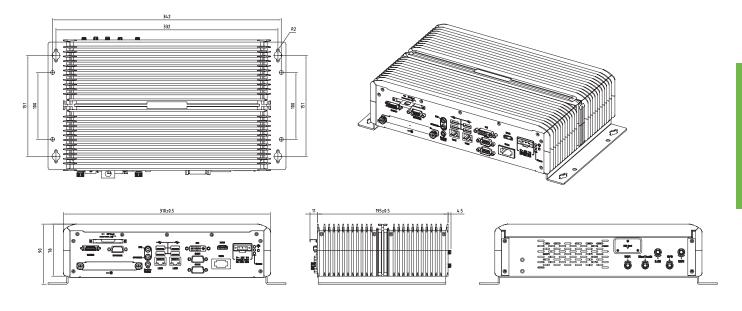
Features

- Rugged fanless design
- Support Intel 3rd generation Core i processors with HM76 chipset
- 2 x DDR3 SO-DIMM, up to 16GB
- Support CAN 2.0A/2.0B protocol and i-Button for driver ID
- VGA/HDMI/DVI-D output
- Variety Wireless Communication
- Combo connector to simplify touch monitor installation

CE FC E13

| Fanless | Smart power | CAN Bus | Wide Voltage | Remote on/off |

| USB 3.0 |

Specification

System

CPU	Intel Core i7 3720QM / i5 3360M / i5 3610ME / i3 3120ME
Chipset	Intel HM76
Memory	2 x 204-pin DDR3-1333 SO-DIMM 2GB pre-installed, up to 16GB

Video

Graphic Controller	Integrated in Processors
Video Memory	DVMT
Video Interface	1 x HDMI type A connector 1 x DVI-D connector 1 x dedicated combo connector (VGA/USB/audio/power)

Storage

SATA	2 x SATA III port with power connector
CF	1 x Compact Flash Type I/II slot support UDMA 33
Disk Bay	1 x swappable 2.5" HDD bay with Anti-vibration / Anti-shock solution

Communication

Ethernet	2 x Intel GbE chip via RJ-45 connector
USB	4 x USB 3.0 connector & 2 x JST pin header
Serial Port	2 x RS232 (1 x DB9, 1 x pin header) 1 x RS232/422/485 (DB9, switch selectable)

I/O

Expansion Slot	2 x Mini PCIe (For Optional 3.5G / Wifi module only)
GPIO	8-bit GPIO (4 In, 4 Out)
Antenna Hole	1 x SMA for GPS, 1 x SMA for 3.5G, 2 x SMA for WiFi 1 x SMA for Bluetooth
SIM	SIM Slot x 1, SIM card changeable without opening case
Security	Support I-Button for driver ID
CAN BUS	Support CAN 2.0A/2.0B protocol

Others Feature

Audio	Audio Codec (Line-out & MIC)
Hardware Monitor	CPU voltage and temperature
WatchDog Timer	1~255 sec. software programmable
Indicator	Power / HDD/ Stauts LED

Power Requirement

Power Input	9~32 V (+/-5%) single voltage input, 3 poles terminal block
Power Consumption	Max 80W (i7 CPU)

Software

OS Support	Windows XP, Windows 7, Fedora 14, Ubuntu 10

Mechanical & Environment

Thermal Design	Fanless
Chassis Material	SECC + Aluminum heatsink
Vibration	IEC 60068-2-64, 5~500Hz, 3GRMS(CF/SSD), Operating with SSD
Shock	IEC 60068-2-27, 50G 500m/s2 11MS, Operating with SSD
Dimension	310mm x 195mm x 80mm
Weight	6 kg
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage temp.	-40 ~ 80°C (-40 ~ 176°F)
Relative Humidity	0 ~ 90% @ 40C, non-condensing
Safety	CE, FCC class B , E-Mark

Smart In-Vehicle Power Management

O/S Anti-Crash	Smart O/S boot/shut-down control by power subsystem
System boot / Shut-down delay	Delay time from 0 seconds to 60 minutes setting in BIOS
System boot fail retry	3 times boot fail retry
Power on/off switches	● System power switch by remote cable switch ● System power input serial connection to car battery and ignition switch
Car battery protection	Low battery voltage monitoring and configurable auto shutdown low battery voltage level

Specifications are subject to change without notice.

Dimension

I/O Connector

Packing List
● 1 x AIV-HM76V0FL
● 1 x User Guide & System Driver CD
● 2 x Wall Mount Bracket
● 1 x Screw pack(2.5"HDD bracket: 4pcs)
● 1 x Terminal block female 3pin
● 1 x Spare Fuse 10A
● 1 x GPIO/CAN/Driver ID DB15 Cable
● 1 x Remote Switch Cable
● 1 x One to Many Combo Cable

Ordering Information

AIV-HM76V0FLI71	AIV-HM76V0FL with Intel Core i7 3720QM
AIV-HM76V0FLI52	AIV-HM76V0FL with Intel Core i5 3610ME
AIV-HM76V0FLI51	AIV-HM76V0FL with Intel Core i5 3360M
AIV-HM76V0FLI31	AIV-HM76V0FL with Intel Core i3 3120ME

Optional Modules	
100070085	Sierra MC8705 with RF cable, Cable Antenna
100070067	WIESON ZYM-5020,RF Cable ,Cable Antenna (L=5M)
100070086	Intel Centrino N6205 802.11 a/b/g/n WiFi module, RF Cable, Antenna x 2
100070066	Qcom QBTM400-01,RF Cable, Antenna