

AIV-HM76VOFL Fanless Vehicle Computer System

Specifications

CPU	Supports Intel Core i7 3720QM / i5 3360M / i3 3120ME CPU
System Chipset	Intel® HM76 Chipset
System Memory	2 x 204-pin DDR3-1333 SO-DIMM Memory (Max 16GB)
Storage	1 x swappable 2.5" HDD bay with Anti-vibration / Anti-shock solution 1 x Compact Flash Type I/II slot support UDMA 33 2 x SATA III port with SATA III power connector
I/O Connector	4 x USB 3.0 connector & 2 x JST pin header 2 x RS232 (1 x DB9, 1 x pin header) 1 x RS232/422/485 (DB9, switch selectable) 1 x SIM Slot, SIM card changeable without opening case 2 x Intel GbE chip via RJ-45 connector 1 x 8-bit GPIO (4 In, 4 Out) Support CAN 2.0A/2.0B protocol Support I-Button for driver ID 1 x HDMI 1 x DVI-D 1 x dedicated combo connector (VGA/USB/audio/power) 1 x Line-out & MIC Antenna Hole: 1 x SMA for GPS, 1 x SMA for 3.5G, 2 x SMA for WiFi, 1 x SMA for Bluetooth
Expansion Slot	MiniPCIe1 for 3.5G card (Reserve SIM interface) MiniPCIe2 for WiFi or Capture card
WatchDog Timer	1~255 sec. software programmable
Indicator	Power / HDD/ Status LED
Power Input	9~32 V (+/-5%) single voltage input, 3 poles terminal block
Power Consumption	Max 80W (i7 CPU)
Operating System	Windows XP, Windows 7, Fedora 14, Ubuntu 10
Chassis Material	SECC + Aluminum heatsink
Shock	IEC 60068-2-27, 50G 500m/s ² 11MS, Operating with SSD
Vibration	EC 60068-2-64, 5~500Hz, 3GRMS(CF/SSD), Operating with SSD
Operation Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operation Humidity	0%-95%, @40C, no-condensing
Net Weight	TBD
Dimension(WxDxH)	12.2" x 7.68" x 3.15" (310 x 195 x 80mm)
Certification	CE, FCC class B, E-Mark



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Packing List Drawing

Packing List

- 1 x AIV-HM76VOFL
- 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

Optional Modules

- **100070084** 1 x Sierra MC8705 with RF cable, Cable Antenna
- **100070067** 1 x WIESON ZYM-5020,RF Cable ,Cable Antenna (L=5M)
- **100070086** 1 x 802.11 b/g/n WiFi module,RF Cable, Antenna x 2
- **100070066** 1 x Qcom QBTM400-01,RF Cable, Antenna

