

AR-V6100FL

Fanless In-Vehicle system, Intel Core i5/i7 + HM65 with smart power onboard, GPS/3.5G/WiFi/Bluetooth option

In-Vehicle Computer



Features



- Rugged fanless design
- Support Intel Core i7 Quad-core processor with HM65 chipset
- 2 * DDR3 SO-DIMM, up to 8GB
- Support CAN 2.0A/2.0B protocol and I-Button for driver ID
- VGA/HDMI/DVI-I video output and SATA III ports
- Variety Wireless Communication
- Combo connector to simplify touch monitor installation



Specification

System

CPU	Intel Core i7 2710QE / i5 2510E / Celeron B810
Chipset	Intel HM65
Memory	2 x 204-pin SO-DIMM DDR3 2GB DDR3 pre-installed, up to 8GB

Video

Graphic Controller	Integrated within HM65
Video Memory	DVMT 4.0
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 SATA III 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

I/O

Expansion Slot	2 x miniPCIe (For Optional 3.5G / Wifi module only)
Ethernet	2 x Gbps Intel GbE chip via RJ-45 connector
USB	6 x USB2.0 (4 x external port, 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)
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

Audio	Audio Codec (Line-out & MIC)
Hardware Monitoring	CPU voltage and temperature
WatchDog Timer	Software programmable 1~255 sec
Indicator	Power / HDD/ Status LED

Software

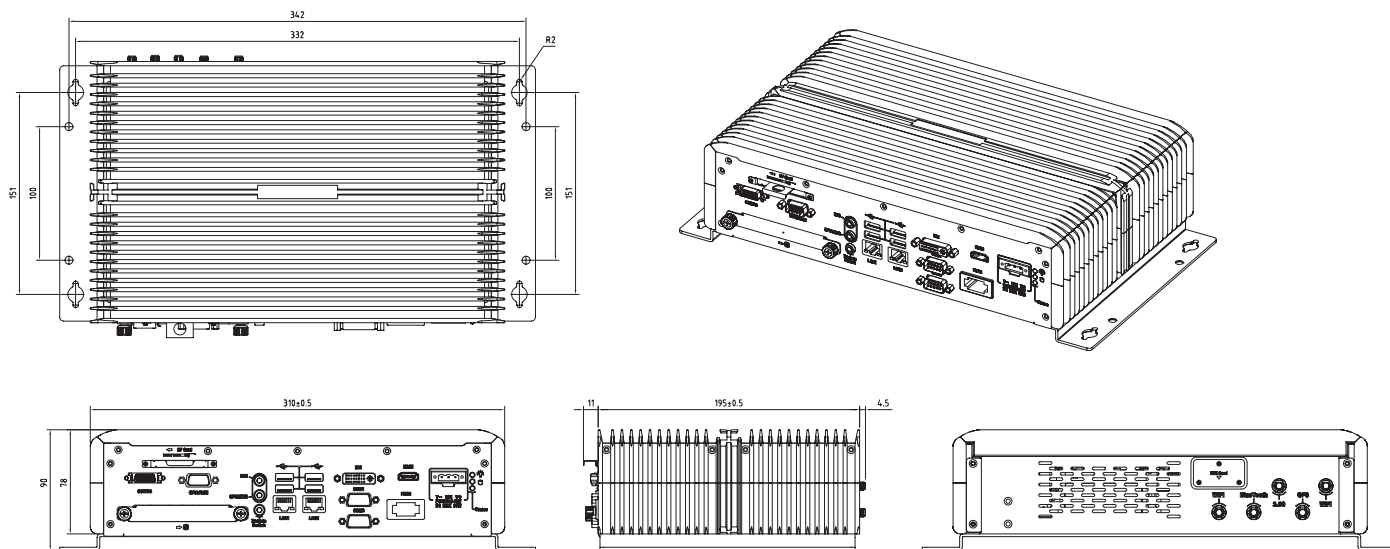
OS Support	Windows XP, Windows 7, Fedora 14, Ubuntu 10
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Power

Power Input	9~32 V (+/-5%) single voltage input, 3 poles terminal block
Power Consumption	95W

Mechanical & Environment

Thermal Design	Fanless
Chassis Material	SECC + Aluminum heatsink
Dimension	310mm x 195mm x 80mm
Weight	6 kg
Operating Temp.	-20~60°C (-40~140°F)
Storage temp.	-40~80°C (-40~176°F)
Relative Humidity	0 ~ 90% @ 40°C, non-condensing
Safety	CE, FCC class B, E-Mark



I/O Connectors



Packing List

- 1 x AR-V6100FL
- 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 One-to-One Video Combo Cable (Optional cable for AR-DPxxx)
- 1 x One-to-many Video Combo Cable (Optional cable for other monitor)
- 1 x GPIO/CAN/Driver ID DB15 Cable (Optional cable)

Optional (Purchase Separately)

- ACC-V5403-3.5G-Sierra** 1 x Sierra MC8790 with RF cable, Cable Antenna
- ACC-V5403-3.5G-Huawei** 1 x Huawei EM770W with RF cable, Cable Antenna
- ACC-V6002-GPS** 1 x WIESON ZYM-5020,RF Cable ,Cable Antenna (L=5M)
- ACC-V6002-WiFi** 1 x 802.11 b/g/n WiFi module,RF Cable, Antenna x 2
- ACC-V6002-BT** 1 x Qcom QBTM400-01,RF Cable, Antenna