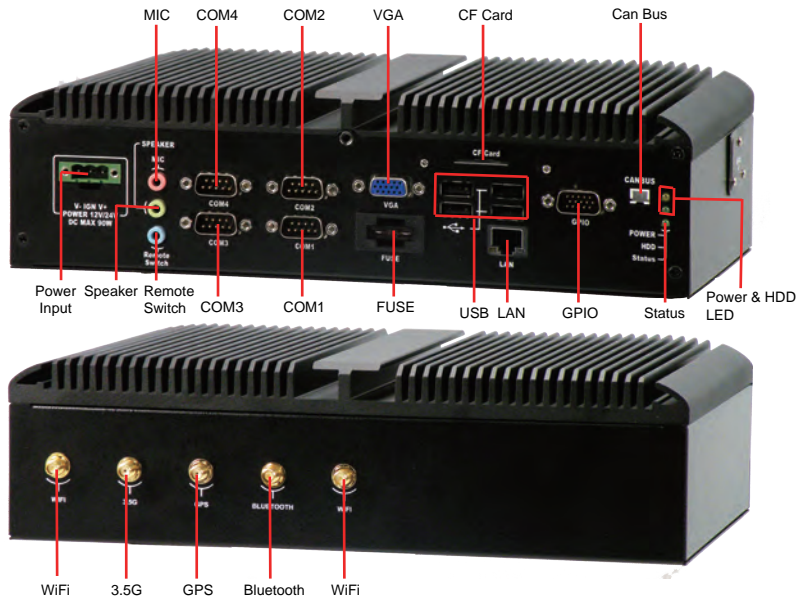


AR-V6002FL

Fanless and Dustproof Intel Atom D425/D525 Vehicle Computer



Features

- ✔ Support Intel Atom D425/D525
- ✔ Internal GPS/3.5G/WiFi/Bluetooth module option
- ✔ CAN Bus support CAN 2.0A/2.0B protocol
- ✔ 12V/24V power input for standard car battery
- ✔ Smart power management with low power protection, ignition control, on/off delay, and software to control delay timing.

Specification

System

CPU	Intel Atom D425/D525
Chipset	Intel ICH8M
Memory	One DDR3 SO-DIMM socket, support up to 4G 1G pre-install

Video

Graphic Controller	Integrated within Atom D425/D525
Video Memory	N/A
Video Interface	• 1 x VGA port (DB15)

Storage

IDE	N/A
SATA	2 x SATA II port
CF	1 x External Compact Flash Type I/II socket
Disk Bay	1 x 2.5" Disk bay with Anti-vibration/Anti-shock solution for SSD only

I/O

Expansion Slot	2 x mini-PCIe (Reserve for WiFi and 3.5G)
Ethernet	1 x GbE RJ45, Realtek 8111D
Serial Port	2 x RS-232/422/485, 2 x RS-232
USB	4 X USB 2.0
GPIO	8-bit GPIO (4 In, 4 Out)
Audio	1 x MIC in, 1 x Audio out, 1 x Remote switch
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, latch to protect SIM uncertainly touch
CAN BUS	2 pin JST connector, support CAN 2.0A/2.0B protocol

Others

GPS(option)	GPS Module (Internal USB)
3.5G(option)	3.5G Module (Mini PCIe 1)
WiFi(option)	Wifi (Mini PCIe 2)
Bluetooth(option)	Bluetooth module (Internal USB)

Hardware Feature

WatchDog Timer	Software programmable 0~255 sec.
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Software

OS Support	Windows XP/XP embedded/Windows 7/ Linux fedora 12
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Power

Power Input	Power onboard design (AR-B6002) <ul style="list-style-type: none"> • 12V and 24V input seletable by jumper • Fuse Design • Smart ATX power function: <ol style="list-style-type: none"> a. Power on/off retry b. Adjustable delay time for system OFF by Switch on power module (Mode2~Mode7) (Default is mode 2) c. System on/off by Vehicle ignition or Remote switch button d. Low Power input monitoring, Auto shutdown • S/W configurable • Remote switch(audio jack) • System status LED(blue)
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Mechanical & Environment

Dimension(W x D x H)	(L) 280 x (W) 181.5 x (H) 76.8 (mm)
Operating Temp.	-20~50°C (-4~122°F)
Storage Temp.	-40~80°C (-40~176°F)
Safety	CE/FCC class B / E-Mark 13

Packing List

- 1 x AR-V6002FL
- 1 x User Guide CD with driver
- 2 x Wall Mount Bracket
- 1 x Screw pack (2.5" HDD bracket : 4pcs)
- 1 x Terminal block (Plug-DC connector)
- 1 x Remote Switch Cable
- 1 x Antenna for GPS (option)
- 2 x Antenna for WiFi (option)
- 1 x Antenna for 3.5G (option)
- 1 x Antenna for Bluetooth (option)
- 1 x Fuse 7.5A
- 1 x SATA and SATA power cable

Ordering Information

AR-V6002FLD4	AR-V6002FL with Intel Atom D425 1.8GHz, 1GB DDR2
AR-V6002FLD5	AR-V6002FL with Intel Atom D525 1.8GHz, 1GB DDR2

Optional: (Purchase Separately)

3.5G Module	Sierra MC8790 or Huawei EM770W support GSM/GPRS/EDGE/UMTS/HSDPA
GPS Module	Wieson ZYM-5020
Wifi Module	AW-NE768 WiFi-105E support IEEE 802.11 b/g/n
Bluetooth Module	QBTM400-01, Bluetooth V2.1 with EDR support

