

AR-V5403FL

Fanless and Dustproof Intel 945GME Core 2 Duo Vehicle Computer



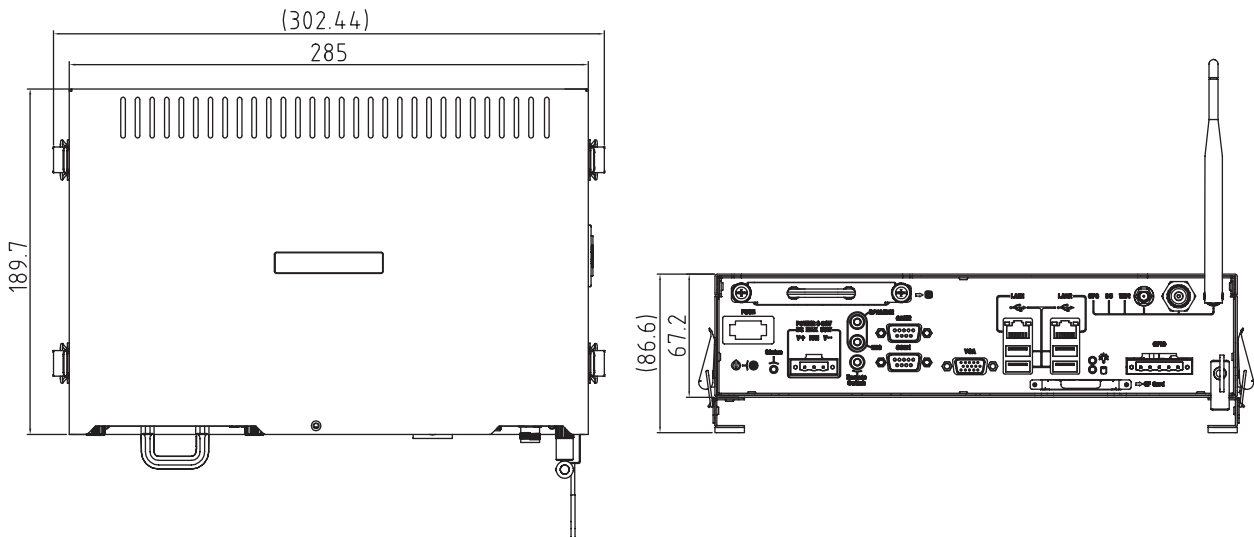
Features

- Support Core 2 Duo / Core Duo / Core Solo / Celeron M
- 1 x VGA
- 4-bit GPIO (2 In, 2 Out)
- GPS / 3.5G / Wifi / Bluetooth Module Option
- External Removable HDD Bay
- Software programmable power off delay time

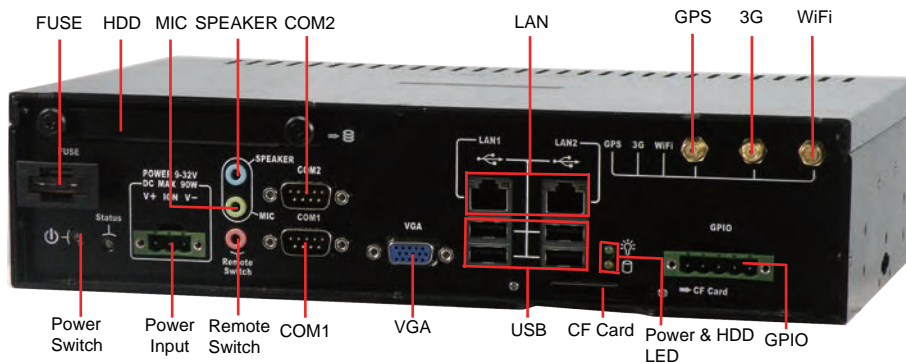


Specification

System		Others	
CPU	Intel Core 2 Duo/Core Duo/Core Solo/Celeron M : CPU T7400 / T5500 / T2500 / CM440	GPS(option)	GPS Module (COM4)
Chipset	Intel 945GME + ICH7M	3.5G(option)	3.5G Module (Mini PCIe)
Front Side Bus	533/667MHz	WiFi + Bluetooth (option)	Wifi + Bluetooth Combo module (USB2)
Memory	<ul style="list-style-type: none"> ● 1 x 200-pin SO-DIMM socket support 533/667MHz DDR2 SDRAM up to 2GB ● 1GB pre-installed 	Hardware Feature	
Video		WatchDog Timer	Software programmable 0~255 sec.
Graphic Controller	Intel 945GME integrated GMA 950 graphic controller	Software	
Video Memory	DVMT 3.0, Maximum 256MB shared	OS Support	Windows XP Embedded, Linux FC 12
Video Interface	<ul style="list-style-type: none"> ● 1 x VGA port (DB15) 	Power	
Storage		Power Input	Power onboard design (AR-B5403) <ul style="list-style-type: none"> ● Wide range input DC 9V~32V ● 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) c. System on/off by Vehicle ignition or Remote switch button d. Low Power input monitoring, Auto shutdown
IDE	1 x IDE (44-pin)	Power Consumption	max. 50W
SATA	2 x SATA II port	Mechanical & Environment	
CF	1 x External Compact Flash Type I/II socket	Dimension	189.7mm x 285mm x 67.2mm
Disk Bay	1 x Anti-shock 2.5" HDD bracket swappable without open case	Vibration	IEC 60068-2-64 5~500Hz, 2GRMS for CF, 3GRMS for SSD
I/O		Shock	IEC 60068-2-27 50G-500m/s -11ms
Expansion Slot	1 x miniPCIe (FOR Optional 3.5G Module only)	Operating Temp.	-15~50°C (-4~122°F) with Industrial Grade CF or SSD -15~45°C (-40~113°F) for T7400 CPU with Industrial Grade CF or SSD
Ethernet	2 x Gbps RJ45 with LED, Broadcom BCM5787	Storage Temp.	-20~80°C (-4~176°F)
Serial Port	4 x RS-232 (2 x DB9, 2 x pin header, COM3 for PIC on power circuit, COM4 for GPS)	Certification	CE, FCC class B, PTCRB, E-MARK
USB	8 X USB 2.0 (4 x external port, 3 x pin header , 1 x for Mini PCIe 3.5G)		
GPIO	4-bit GPIO (2 In, 2 Out) with 5 pin terminal block, 2-in/GND/2-out		
Audio	Realtek ALC888 Audio Codec		
Antenna Hole	1 x SMA for GPS, 1 x SMA for 3.5G, 1 x SMA for WiFi + Bluetooth		
SIM	SIM slot x 1, SIM card changeable without opening case, latch to protect SIM uncertainly touch		



I/O Connectors



Packing List

- 1 x AR-V5403FL
- 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 Terminal block (Plug-GPIO connector)
- 1 x KB/MS Y Cable
- 1 x Fuse 7.5A for 24V vehicles

Ordering Information

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|----------------------|---|
| AR-V5403FLT74 | AR-V5403FL with Intel T7400 Core 2 Duo 2.16GHz, 1GB DDR2 |
| AR-V5403FLT55 | AR-V5403FL with Intel T5500 Core 2 Duo 1.66 GHz, 1GB DDR2 |
| AR-V5403FLT25 | AR-V5403FL with Intel T2500 Core Duo 2.0GHz, 1GB DDR2 |
| AR-V5403FL440 | AR-V5403FL with Intel Celeron M 440 1.86GHz, 1GB DDR2 |

Optional Accessory

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|------------------|--|
| 100070048 | GPS module(ER-332) with RF cable, COM cable, Antenna(L=5M) |
| 100070058 | ACC-V5403FL-WLAN |
| 100070059 | ACC-V5403FL-Bluetooth |
| 100070047 | SIERRA WIRELESS MC8790 3.5G Module (mini-PCIe) with RF cable, screw, Antenna(L=3M) |
| 100070053 | Huawei WIRELESS EM770W 3.5G Module with RF cable, screw, Antenna(L=3M) |