

FleetPC-+

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

In-Vehicle Computer



Features

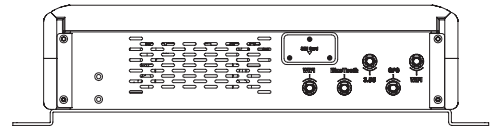
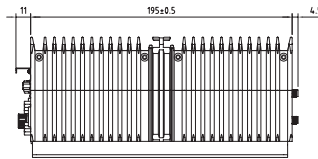
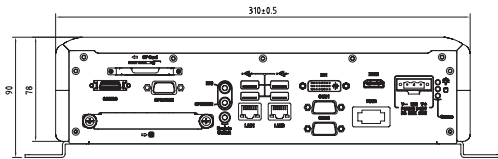
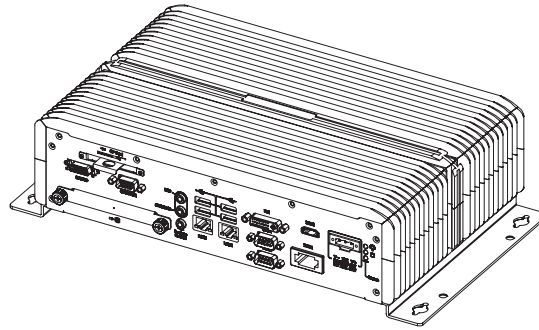
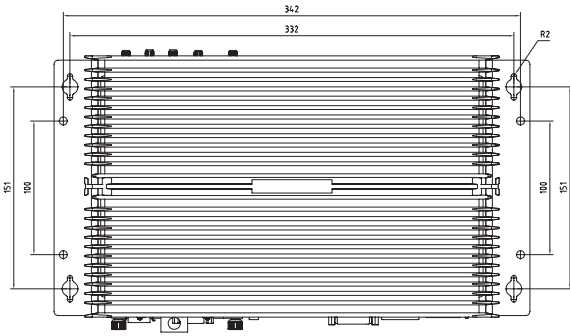
- Intel Celeron, Core i5 up to i7 Quad-core Processor
- One CAN 2.0A/2.0B Interface
- 1-Wire i-Button interface for Driver ID and Sensors
- 4 x Digital Inputs and 4 Digital Outputs
- VGA/HDMI/DVI Dual Independent Video Outputs
- External Removable Anti-Vibration/Shock Disk Bay and CF socket
- Internal 3.5G, GPS, WiFi, Bluetooth Modules (Optional)
- 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	<ul style="list-style-type: none"> ● 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 miniPCle (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	<ul style="list-style-type: none"> ● 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
iButton	1-Wire interface for driver ID and sensors
CAN BUS	Support CAN 2.0A/2.0B protocol

Others	
Audio	Audio Codec (Line-out & MIC)
Hardware Monitoring	CPU voltage and temperature
WatchDog Timer Indicator	Software programmable 1~255 sec Power / HDD/ Stauts LED
Software	
OS Support	Windows XP, Windows 7, Fedora 14, Ubuntu 10
Power	
Control	<ul style="list-style-type: none"> ● Ignition or ignition and remote switch ● Software Programmable On/OFF delay time
Monitor	Programmable Low Voltage Input threshold for automatically shut down
Indicator	Status LED for easy diagnostic
Safety	ISO-7637-2, E-Mark Certification
Power Input	9~32 V (+/-5%) single voltage input, 3 poles terminal block
Power Consumption	Max 80W (i7 CPU)
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/s ² 11MS, Operating with SSD
Dimension	310mm x 195mm x 80mm
Weight	6 kg
Operating Temp.	-20~60°C (-4~140°F)
Storage temp.	-40~80°C (-40~176°F)
Relative Humidity	0 ~ 90% @ 40°C, non-condensing
Safety	CE, FCC class B, E-Mark
Optional Modules	
GPS	u-blox 5 chip, 2.5 meter accuracy
3.5G	Sierra MC8790, UMTS/HSPA and quad-band GSM/GPRS/EDGE
WiFi	802.11 b/g/n, supports client and access point modes
Bluetooth	Bluetooth 2.1 + Enhanced Data Rate (EDR)



I/O Connectors

