

# PCS-8268

Slim Embedded System for Telematics, Compact and Fanless Design Based On Intel® Atom™ Solution



## FEATURES

- Designed for FMS Applications
- Wide Temperature Range: -20~70°C
- Wide Range DC Input 9V~36V
- Smart Ignition On / Off Control
- Fanless & Low Power Consumption (3.6W)
- Compact and Slim Size (Book Size: B5)
- Support CAN BUS

## Specifications (Preliminary)

System	
CPU	Intel® Atom™ Processor E640T (1.0 GHz)
IOH	EG20T
Storage	
Device	1 x CFast Socket 1 x 2.5" SATA HDD or SSD
Memory	
DRAM	DDR2, 1GB on board (800 MHz)
3-Axis Accelerometer	
G-Sensor	ADXL337
Power Ignition Control	
MCU	Microchip
External I/O Interfaces	
Communication Module	1 x Antenna for WLAN (Front side) 1 x Antenna for 3G/WWAN (Front side) 1 x Antenna for Bluetooth (Front side) 1 x Antenna for GPS (Rear side)
Ethernet	1 x RJ45 LAN port (Front side)
USB	2 x USB 2.0 port (Front side)
Audio	1 x 3.5mm line out jack (Front side) 1 x 3.5mm mic in jack (Front side)
SIM Card Socket	1 (Front side)
COM	2 x D-Sub 9-pin ports; COM1 RS-232 (Front side) & COM2 RS-422/485 (Rear side)
CAN Bus	1 (Rear side)
LVDS	1 x D-Sub 26-pin LVDS connector (Rear side)
DVI-I	1 (Rear side)
Power Input	1 x 3 pin power input connector (Rear side)
Power Output	1 x 6 pin output connector with SMBus (Rear side)
GPIO	1 with 4 input & 4 output (Rear side)
LED	2 x LEDs (PWR & HDD)
Internal Interfaces	
USB	1 x USB Pin header
UART	1 for GPS Engine Board
SATA	1 for HDD or SSD

## Expansion Slot

Mini-PCIe	2 x Mini PCIe sockets (w/USB, support both half and full size add-on cards)
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## Power

Input	9V to 36V DC (w/Fuse)
Output	12V/1A, 5V/1A
Power On / Off Delay	BIOS control "Power Ignition on / off delay" setting

## Certification

Safety Compliance	UL, CB, CCC (* Excluded RF modules)
EMC Compliance	CE, FCC Class B, e Mark (* Excluded RF modules)
OS Support	Windows XP embedded, Winows 7, Windows Embedded Standard 7, Linux 2.6.31

## Environments & Dimension

Compliance	RoHS, WEEE
Operating Temperature	-20°C~70°C (Industrial wide temp CFast, SSD only)
Storage Temperature	-40°C~80°C
Operating Humidity	10%~90% relative humidity, non-condensing
IP Rating	IP31 (Top side)
Vibration	MIL-STD-810G, Method 514.5, Category 20, Ground Vehicle – Highway Truck
Shock	MIL-STD-810G, Method 516.5, Procedure I, Trucks and semi-trailers=20g
Weight	1.85 Kgs
Dimension (W x D x H)	250 x 176 x 50mm

## System Outlook

### Front Side



### Rear Side



## ORDERING GUIDE

Standard	PCS-8268 Slim Embedded System for Telematics
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