

PCS-8279

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



FEATURES

- Intel Cedarview Atom D2550 Dual Core 1.86GHz
- Wireless support 4G, GSM/GPRS, Wi-Fi, GPS and Bluetooth
- 9V - 32V DC Power Input
- Smarter Vehicle Power Ignition for variety vehicle
- Support 2 x RS-232 (COM1 with 232/422/485)
- Support 2 x DI / 2 x DO with Relay 12V / 100mA

System

CPU	Intel Cedarview Atom™ D2550 Dual Core 1.86 GHz
Memory	1 x DDR3-1066 SO-DIMM Up to 4GB
Chipset	Intel NM10
Graphics	Intel GMA3650
ATA	2 x Serial ATA 2.0 Ports
LAN Chipset	2 x Realtek 8111E Gigabit Ethernet
Watchdog	1 ~ 255 level reset

I/O

Serial Port	Support 2 x RS-232 (COM1 with RS-232/422/485)
USB Port	3 x USB 2.0 Ports
LAN	2 x RJ45 Ports for GbE
Video Port	1 x DVI-I Female Connector for DVI-D and VGA Output
GPIO Port	Support 2 in and 2 out with Relay 12V / 100mA
Audio	Mic-in/Line-out
Expansion Bus	3 x Mini-card Slots
Antenna	4 x SMA-type External Antenna Connectors for LTE / WLAN / UMTS / GSM / GPRS / GPS / Bluetooth

Power Requirement

Power Input	9V - 32V DC Power Input
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software, Default is 5 Mins
Backup Battery	Internal Battery Kit for 10 Mins Operating (Optional)

Qualification

Certifications	CE, FCC Class A, eMark Compliance
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Storage

Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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Software

Operating System	Windows XP, Windows 7, WES 7, WES 2009, Linux 3.0.X
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Environmental

Operating Temp.	-40 ~ 70°C (SSD), ambient w/ air
Storage Temp.	-40 ~ 80°C
Relative Humidity	10 ~ 90% (non-condensing)
Vibration(random)	2.5g@5~500 Hz with SSD
Vibration Operating	MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle-Highway
Truck Storage	MIL-STD-810F, Method 514.5, Category 24, Integrity Test
Shock	Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=40G (11ms) with SSD
Crash Hazard	MIL-STD-810F, Method 516.5, Procedure V, Ground equipment=100g

Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406 g
Dimensions	182 x 167 .6 x 52 mm

ORDERING GUIDE

Standard	PCS-8279 Intel Cedarview Atom D2550 Dual Core 1.86GHz CPU
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