

# PCS-8310P

Intel Gen4 Core/ Celeron CPU with 4x POE Ports On-Board Computer



## FEATURES

- Intel Core/ Celeron
- Wireless support LTE, 3.5G w/ SIM Card, WLAN, GPS Dead Reckoning, GSM/GPRS, BT
- Support 4 x Power Over Ethernet (POE)
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support Dual Hot Swappable SATA Storage
- Support 1 x CAN Bus 2.0B (Optional)

## System

<b>CPU</b>	Intel Gen 4 Core i7-4650U 1.7GHz up to 3.3GHz Intel Gen 4 Core i5-4300U 1.9GHz up to 2.9GHz Intel Gen 4 Core i3-4010U 1.7GHz Intel Gen 4 Dual Core 2980U 1.6GHz
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<b>Memory</b>	2 x DDR3L 1600 MHz SO-DIMM up to 16GB
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<b>Chipset</b>	QM87
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<b>LAN Chipset</b>	Intel I210-AT Gb/s Ethernet Controllers Onboard Support PXE and WOL
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<b>Audio</b>	Realtek ALC662 HD Codec Onboard
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<b>Watchdog</b>	Watchdog Timer Support, Offer 1 – 255 Step
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## I/O

<b>Serial Port</b>	3 x RS-232 (2 with RS-485 (Auto Direction Control))
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<b>USB Port</b>	2 x USB 3.0 Ports, 2 x USB 2.0 Ports
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<b>LAN</b>	4 x M12 Ports for GbE POE (IEEE802.3AF 15.4W per port)
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<b>Video Port</b>	1 x DVI-I, 1 x DP Port, 1, VGA (Support Triple Independent Display)
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<b>DIO Port</b>	4 In and 4 Out
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<b>Audio</b>	1 x Line-out and 1 x Mic-in (Line-in Optional)
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<b>SIM Card Socket</b>	1 x SIM Card Socket Supported Onboard with eject
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## Graphics

<b>Graphics</b>	Intel® HD Graphics 5000 DirectX Video Acceleration (DXVA) for Accelerating Video Processing - Full AVC/VC1/MPEG2 HW Decode Supports DirectX 11/10.1/10/9 and OpenGL 4.0
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<b>Resolution</b>	Up to 4096 x 2304
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## Storage

<b>Type</b>	2 x 2.5" Drive Bay for SATA Type HDD/SSD, Support RAID 0, 1 1 x mSATA
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## Power Requirement

<b>Power Input</b>	9V - 36V DC Power Input
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<b>Power Protection</b>	Automatics Recovery Short Circuit Protection
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<b>Power Management</b>	Vehicle Power Ignition for Variety Vehicle
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<b>Power Off Control</b>	Power off Delay Time Setting by Software and BIOS
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<b>Battery</b>	Internal Battery Kit for 10 Mins Operating (Optional)
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## Environmental

<b>Operating Temp.</b>	-40°C ~ 70°C
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<b>Storage Temp.</b>	-40°C ~ 80°C
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<b>Relative Humidity</b>	0% RH – 95% RH
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<b>Vibration(random)</b>	2.5g@5~500 Hz with SSD
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<b>Vibration Operating</b>	MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle-Highway
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<b>Truck Storage</b>	MIL-STD-810F, Method 514.5, Category 24, Integrity Test
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<b>Shock</b>	Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=40G (11ms) with SSD
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<b>Crash Hazard</b>	MIL-STD-810F, Method 516.5, Procedure V, Ground equipment=100g
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<b>Certifications</b>	CE, FCC Class A, EMark Compliance, EN50155, EN50121
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## Mechanical

<b>Construction</b>	Aluminum Alloy
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<b>Mounting</b>	Supports Both of Wall-mount/VESA-mount
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<b>Weight</b>	1780 g (Barebone)
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<b>Dimensions</b>	250 x 150 x 55 mm
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\*All product specification are subject to change without notice.