

PCS-8220 Series

1-DIN In-Vehicle Infotainment Platform



Feature



- Based on Intel® Embedded Compact Extended Form Factor (Intel® ECX Form Factor) single board computer
- DVB-T/FM tuner, Bluetooth*, WiFi*, and GPS integrated
- Dual-display supported (CRT, LVDS or TV-out)
- Standard multimedia functions for audio and video
- Open architecture for easy customization

The PCS-8220 is a compact 1-DIN, powerful, low power dissipation system for in-vehicle infotainment. It is positioned as a reliable and multimedia vehicle infotainment system platform by multiple peripherals integrated. The modular

rear IO architecture is easy for customization to meet customer's time to market requirement.

Specification

System

CPU	Onboard Intel® Celeron® M Processor Ultra Low Voltage 373 (1GHz)
Chipset	Intel® 915GME Graphics Memory Controller Hub and Intel® 82801FBM I/O Controller Hub (ICH6M)
System Memory	One DDR2 SO-DIMM socket support up to 1GB SDRAM
Display	Intel® Graphics Media Accelerator 900 (Intel® GMA 900)
Expansion	One PMIO expansion board for multiple expansion support
Peripherals	DVB-T/FM tuner, Bluetooth*, WiFi* and GPS modules
Storage	One CompactFlash* socket
CD/DVD-ROM	One slim-type slot-in DVD-ROM (PCS-8220)
HDD	One 2.5" HDD (PCS-8221)

Front panel

LED Indicators	HDD, Suspend mode, Power
Power	One Power ON/OFF button
DVD-ROM	One slot-in type DVD-ROM
USB	Two USB ports

Rear I/O

Display	- LVDS, onboard connector (Display for front touch screen) - VGA on rear panel (Display for rear seat) - TV out on rear panel (optional)
Audio (CH7.1)	- Audio jack for PC speaker support - Built-in amplifiers for 8-channel car speakers (optional)
COM port	One RS-232 serial port
USB	2 USB ports
Antenna	Antenna connections for WiFi* and TV/FM tuner

Power Supply Unit (DC-DC Converter)

Power Input	6V-24V
Max Output Power	160 Watts

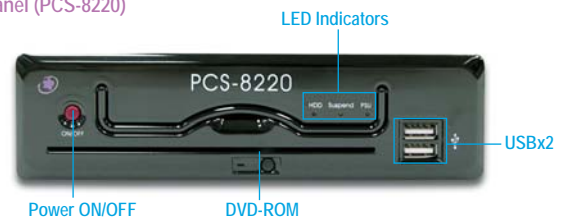
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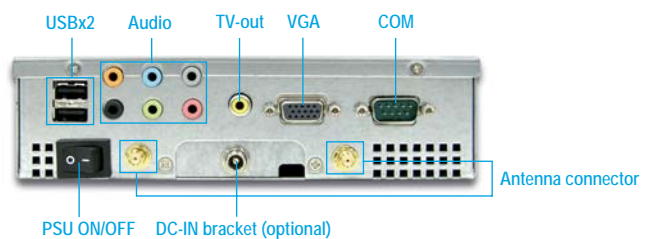
Mechanical & Environmental

Operation Temperature	-20°C~80°C (-40°C~80°C by request)
Storage Temperature	-40°C~80°C
Relative Humidity	5~95% non-condensing
Dimension	Host system: 195(L) x 178(W) x 50(H) mm Host system + Rear IO module: 239(L) x 178(W) x 50(H) mm

Front Panel (PCS-8220)



Rear I/O



Ordering Information

- **PCS-8220**
1-DIN In-Vehicle Infotainment System with DVD-ROM
- **PCS-8221**
1-DIN In-Vehicle Infotainment System with 2.5" HDD



E225800

Beijing Portwell
Beijing Tel: +86-10-82701616
Shanghai Tel: +86-21-3222-0505
Shenzhen Tel: +86-755-8621-7695
E-mail: info@portwell.com.cn
http://www.portwell.com.cn

Portwell-Laxsons India
Tel: +91-22-2685-9911
E-mail: info@portwellaxsons.com
http://www.portwellaxsons.com

Portwell, B.V.
Tel: +31-252-620790
E-mail: info@portwell.nl
http://www.portwell.nl

Portwell (UK) Ltd.
Tel: +44(0)1235-750760
E-mail: info@portwell.co.uk
http://www.portwell.co.uk

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Portwell, Inc.

4F, No. 186, Jian-Yi Rd., Chung-Ho City,
235 Taipei, Taiwan
Tel: +886-2-77318888
Fax: +886-2-82271109
E-mail: info@portwell.com.tw
http://www.portwell.com.tw

American Portwell
Fremont Tel: +1-510-403-3399
Norcross Tel: +1-678-969-9808
E-mail: info@portwell.com
http://www.portwell.com

Portwell Japan, Inc.
Tokyo Tel: +81-3-5298-8071
Osaka Tel: +81-6-4791-2201
E-mail: info@portwell.co.jp
http://www.portwell.co.jp