

Highlights

Dimensions	■ 216 mm (L) x 148 mm (H) x 40 mm (D)
Weight	■ 780 g (without options)
Processor	■ Intel® PXA255
Operating System	■ Windows CE
Display	■ 6.4 inch TFT active matrix 640 x 480 pixel graphical color LCD with touchscreen
Magnetic Card Reader	■ Integrated swipe
Environmental	■ Operating Temperature: -10°C to +60°C Storage Temperature: -20°C to +60°C LCD Operating Temperature: 0°C to +50°C Relative Humidity: 5% to 90% (non-condensing)
Electrical Requirements	■ Input Voltage: nominal +12 VDC
Memory	■ 32 MB or 64 MB of SDRAM (Configuration Option) ■ 32 MB or 64 MB of Flash Memory (Configuration Option) ■ 512 KB battery-backed RAM
Serial Interfaces	■ RS-232C, CompactFlash™, USB (Configuration Option)
Digital Interfaces	■ Discrete Input / Output ports
ADD-ON OPTIONS	
Audio	■ Internal speaker and microphone
GPS	■ Internal GPS receiver with external antenna
Radio Modem	■ 4800 bps / 9600 bps Private Mobile Radio
Cellular Public Data Modem	■ GSM/GPRS or CDMA modems



The **Heart** of a Complete
Mobile Computing System

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iPilot 8000™

The iPilot 8000™ is a feature-rich, highly configurable mobile computer specifically designed to meet the requirements of today's and tomorrow's fleet management applications.

Built on an Intel XScale® processor and Microsoft Windows CE .NET operating system, the iPilot 8000™ offers exceptional ease-of-use and unmatched flexibility. With its many expansion options, the iPilot 8000™ can control a wide variety of in-vehicle peripherals, making it truly the heart of your complete mobile computing system.

- Improved operating efficiencies
- Increased driver productivity
- Generate customer loyalty from improved service
- Integrated compact design

Wireless Network Support

The iPilot 8000™ supports several types of wireless networks. For private mobile radio (PMR) networks, the iPilot 8000™ uses an integrated high performance Digital Signal Processor (DSP) based modem that provides data rates of up to 9600 bps over conventional voice-grade mobile radios. For cellular public data networks, it supports GSM/GPRS or CDMA modems via a serial port.

Touchscreen Display

This advanced mobile computer is designed for ease-of-use with its active matrix color display with an integrated touchscreen. This intuitive and flexible interface can display a wide choice of icons, fonts and language scripts which all look sharp on the bright, high resolution 640 x 480 pixel LCD.



Magnetic Card Reader

The internal magnetic card reader can support in-vehicle credit card payments when combined with other application software. It can be used for immediate and accurate credit verification for customer convenience. It can also read customized cards for applications such as personal identification or company account payments.



Flash Memory

With the on-board Flash Memory, the iPilot 8000™ stores programs, operating system and data. Additionally, the external CompactFlash™ slot can be used to hold removable memory cards, making it possible to access very large amounts of data.

Audio Interface

The optional internal microphone and speaker with programmable volume control can be used by application software for audio input and optional text-to-speech.

Mapping Software

Digital Wireless has an optional mapping software package that can be integrated into most applications, making the iPilot 8000™ an intelligent location finder. The user can view the current vehicle location, with zooming and panning capabilities. Street addresses and landmarks can be found by a search function.

Configurable Solution

The iPilot 8000™ is easily customized to meet the demands of the mobile computing environment. Software developers can create distinctive, easy-to-use applications using the Microsoft Windows CE .NET platform.

Digital Wireless offers an optional Software Development Kit (SDK), which includes all the libraries and device drivers needed to access iPilot 8000™'s features. Digital Wireless can also develop client applications to specification.

Software updates can be installed in the iPilot 8000™ using a local serial download capability, or by an optional over-the-air download over private mobile radio.

GPS Receiver

An internal GPS receiver with an external antenna enables Automatic Vehicle Location (AVL), which can be integrated with other software applications for real-time vehicle tracking, routing and scheduling.

Expansion Ports

The iPilot 8000™ can connect to a wide variety of in-vehicle peripherals using its expansion ports. Up to six optional external RS-232C serial ports are available for use with optional devices such as the SmartPrint™ mobile printer, the SmartPay™ debit card terminal, or other peripherals such as taximeters. In addition, the iPilot 8000™ has two optional USB 2.0 host ports, making it easy to connect a keyboard for data entry or to connect any of the many peripherals that use this interface.

