

Product Update Notice

April 19, 2005

PUN #05-04

Dolphin® 7900 GSM/GPRS Mobile Computer for EMEA Countries

Hand Held Products is pleased to announce the availability of the Dolphin 7900 mobile computer with integrated GSM/GPRS wireless technology for use in Europe, Middle Eastern, and Asian (EMEA) countries. The GSM/GPRS radio option provides cellular voice communications via GSM and wide area data networking via GPRS when operating on country specific cellular networks.

Dolphin 7900 EMEA GSM/GPRS Overview

The Dolphin 7900 EMEA GSM/GPRS mobile computer is a new addition to the popular Dolphin 7900 series product line and shares the same robust core architecture and feature options. Equipped with Wireless Full Area Networking™ (WFAN) technology, the Dolphin 7900 enables real-time voice and data communication anytime and anywhere.

WFAN functionality is made possible through the careful integration of GSM/GPRS, 802.11b, and Bluetooth radio hardware and software that undergoes stringent agency testing and network certification to ensure optimal performance and reliability in real-world usage scenarios.

GSM / GPRS Technology

Global System for Mobile Communications (GSM) is an open, non-proprietary digital cellular technology based on TDMA used around the world. Developed in the 1980s, GSM was first deployed in seven European countries in 1992, and operates in the 900MHz and 1.8GHz bands in Europe/Asia, 850MHz and 1.9GHz PCS band in the U.S. GSM now accounts for more than 73% of the world's digital wireless market, with over one billion subscribers worldwide to date.

One of GSM's great strengths is its international roaming capability. This provides customers seamless connectivity using a single standardized phone number in more than 170 countries.

The General Packet Radio Service (GPRS) is a GSM mobile communications enhancement that allows packet-switched data to be sent and received across mobile telephone networks for applications such as web browsing and file transfer. Dolphin 7900 GSM/GPRS mobile computers support roaming and sending/receiving data in any GSM/GPRS network carrier coverage area throughout EMEA countries. Complete GSM/GPRS network coverage maps can be viewed at:

<http://www.gsmworld.com/roaming/gsminfo/index.shtml>

For more detailed information on GSM/GPRS, please visit: <http://www.gsmworld.com>



Wireless Communications over GSM/GPRS Infrastructures

The Dolphin 7900 is equipped with a tri-band Siemens® GSM/GPRS radio module to enable real-time voice and data communications over 900, 1800 and 1900 MHz GSM network infrastructures deployed throughout EMEA countries. Dolphin 7900 GSM/GPRS mobile computers support the following WWAN communication technologies:

- GPRS Class 10 – data transmissions avg. 40-60 Kbps (wireless network carrier dependent)
- GSM data “dial-up”
- Short Messaging Service (SMS)
- Voice – via wired headset or integrated speaker/microphone

Please note that availability and performance vary per GSM/GPRS network carrier.

With its integrated GSM/GPRS technologies, the Dolphin 7900 excels in real-time, wide-area mobile computing applications such as Transportation, Package Delivery, Route Accounting, and Field Services. In such applications, mobile workers can easily capture, process, and communicate mission-critical information where and when business is conducted, allowing businesses to better serve their customers while enhancing operational efficiency.

Dolphin 7900 GSM/GPRS Product Configurations

The Dolphin 7900 with GSM/GPRS can be configured with various radio, keyboard, imager, and memory options. The following GSM/GPRS radio options are offered as standard product configurations:

Product Configuration	Description
79002WP-411-C20	Dolphin 7900 Mobile Computer with 802.11b (EMEA), GSM/GPRS (EMEA) and Bluetooth radios, IT4300 Standard Range Imager (SR) with high-vis aimer, 25 Keys, Color Display, 64MB X 64MB Memory, Windows Mobile SE 2003, and battery pack
79002WP-421-C20	Dolphin 7900 Mobile Computer with 802.11b (EMEA), GSM/GPRS (EMEA) and Bluetooth radios, IT4300 Standard Range Imager (SR) with high-vis aimer, 36 Keys, Color Display, 64MB X 64MB Memory, Windows Mobile SE 2003, and battery pack
79002W0-411-C20	Dolphin 7900 Mobile Computer with 802.11b (EMEA) and GSM/GPRS (EMEA) radios, IT4300 Standard Range Imager (SR) with high-vis aimer, 25 Keys, Color Display, 64MB X 64MB Memory, Windows Mobile SE 2003, and battery pack
79002W0-421-C20	Dolphin 7900 Mobile Computer with 802.11b (EMEA) and GSM/GPRS (EMEA) radios, IT4300 Standard Range Imager (SR) with high-vis aimer, 36 Keys, Color Display, 64MB X 64MB Memory, Windows Mobile SE 2003, and battery pack

Additional radio and component options are available as custom configurations and require a 10 - piece minimum order. Please refer to the Dolphin 7900 pricing configuration guide for details.

Agency Approvals and Certifications

Dolphin 7900 GSM/GPRS mobile computers have completed agency certification approvals by European Telecommunications Standards Institute (ETSI) to support wide area wireless mobile application environments. Hand Held Products is also working with major wireless network carriers to ensure that Dolphin 7900 GSM/GPRS mobile computers will operate optimally on most networks.

The Dolphin 7900 GSM/GPRS terminal has passed Standard Absorption Rate (SAR) certification which tests the effects of potential harmful wireless radio emissions. Having achieved SAR certification, the Dolphin 7900 GSM/GPRS mobile computer can be operated in contact with an operator's body without fear of harmful radio emissions, providing safe use in any mobile application.

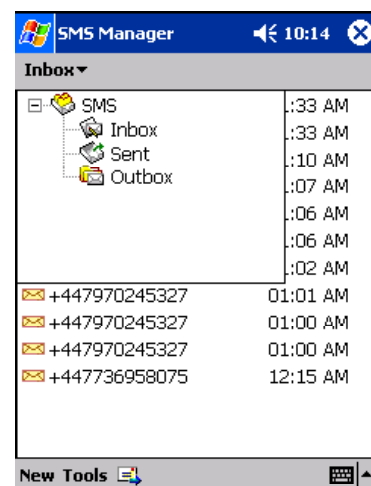
Dolphin 7900 GSM/GPRS Software

Dolphin 7900 GSM/GPRS mobile computers feature the uPhone telephony software utility for making phone calls and creating Short Messaging Service (SMS) text messaging. SMS can be used for creating quick, simple messages or for transferring limited data.

The uPhone provides the following functionality:

- Send and receive voice calls
- Send and receive data
- Receive incoming SMS messages while voice calls are in process
- Place or receive voice calls during an active GPRS data session

When making phone calls, the Dolphin 7900 GSM/GPRS mobile computer and the uPhone Dialler utility support three modes of operation: speakerphone, headset (when used with a separate headset), and handset.



Subscriber Information Module (SIM) Card

Dolphin 7900 GSM/GPRS mobile computers support an integrated user accessible SIM card interface. A key component of GSM, the SIM is a small chip-based memory card used for storing user subscription information such as wireless services and telephone numbers.

A valid SIM card is required to operate the Dolphin 7900 on a GSM/GPRS network. SIM cards are provided by the network carrier of choice and the user must activate all necessary data and voice services with the network carrier before installing the SIM card in the Dolphin 7900 mobile computer.

SIM card access is provided via a sealed door located on the side of the terminal. Torx head screws are used to secure the door to the terminal housing and provide reasonable protection against field tampering and abuse. Please refer to the Dolphin 7900 User's Guide for instructions on installing and removing the SIM card.



Software Development Kit

Hand Held Products supports an advanced comprehensive Software Development Kit (SDK) with telephony API's for developing GSM/GPRS wide area applications that allow custom user interfaces and robust mobile application development. The Dolphin SDK also includes sample code for wireless data communications to assist in developing mobile applications.

Dolphin 7900 EMEA GSM/GPRS Availability

The Dolphin 7900 EMEA GSM/GPRS mobile computers are available to order now. Please contact your Hand Held Products account executive or customer account representative for product availability and delivery dates.

Dolphin 7900 GSM/GPRS Pricing

Dolphin 7900 GSM/GPRS mobile computer pricing is available in the updated Dolphin 7900 Pricing and Configuration Guide. The Dolphin 7900 Pricing Guide is available for download at <http://www.handheld.com> in the Partners Area.

If you have questions about this Product Update Notice or the Dolphin 7900 mobile computer, please contact your Account Executive, Customer Account Representative, or respective Solutions Architect.

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