

WireLess Mobile

Mobilize your workforce always and in every environment with intelligent data management.



WireLess Mobile



Typical objectives and difficulties of the mobile workforce

The mobile user needs to use an application that allows him to capture, process and synchronize data with the organization's central information system, regardless of the connection availability or where it is located.

Mobile Challenge: Connection availability, variable work environments

Users can work in different environments: in the warehouse, at the office, or on the street, visiting clients. In every case, their possibility to synchronize available data on the central information system with their PDA is limited.

Solution:

WireLess Mobile and the applications designed with the Mobile development tools make the coexistence of all the current connection resources and working environments possible.

The warehouse and the office: They will be able to work with centralized information when they are connected with the available Wi-Fi network, obtaining or modifying data from the central information system on real time.

On the street, visiting clients: The database stored on the mobile terminal and the Web application designed for that purpose, allows capturing or modifying data which is going to be saved locally. The data handled by the user will be remotely or locally synchronized with the central information system using GPRS or through the Wi-Fi network when the user returns to the base of operations.

WireLess Mobile will be ready to work in only three steps:

- ① Install WireLess Mobile Server.
- ② Install WireLess Mobile Client.
- ③ Develop the application you need for the mobile terminals.

Main components of WireLess Mobile

- **Connectivity**– Support for Web applications connected (on-line) with the server or disconnected (off-line) and synchronized by schedule or on demand.
- **The WireLess Mobile Client**– Web based architecture, installed on mobile terminals - and the WireLess Mobile Server, installed on the web server to provide access to the central information software.
- **Completely adapted to the requirements of mobile applications:**
 - Ergonomics, "look and feel" absolute control.
 - Interactive contents.
 - Low transfer rate connections.
 - Local data and functions.
 - Automatic synchronization.
 - Individual, group or communitarian distribution.
- **WireLess Mobile Server:** Data connection, data processing, service distribution.

WireLess Mobile Server

- Controls and organizes the information flow from the server to the terminals defining users or user groups.
- Makes queries and modifications to the existing information:
 - Server/Client Communication: It enables to carry out dynamic searches to obtain data from the central information software (WMS, databases, ERP, etc.) and redirect them to the portable terminals.
 - Client/Server Communication: Forwards captured and processed data on the mobile terminals to the central software.
- Supports usage and conversion of HTML, XHTML or LDAP formats.
- Supports HTTP and FTP communication.
- The synchronized information updates can be complete or incremental.

Data Availability

- The queried or modified information may be accessed in three different ways:
 - Remotely, access from the terminal to the central information software. (on-line).
 - Locally, access to the database stored on the terminal. (off-line).
 - Combining the information accessed remotely with the information accessed locally.
- All the information can be managed and defined for each user, with personalized options.

User Management

- User identification (login).
- Authorizations.
- Statistics.
- User configuration.

WireLess Mobile Client

- Installation and configuration assistant. It is possible to establish configurations by default or personalized for each PDA.
- The WireLess Mobile Client is Web interface ready to be used in synchronized data management. It is designed to dynamically create Web pages using the locally stored data.
- Allows managing one or more databases both locally and remotely.
- Supports JavaScript.

Installation and Configuration Centralized Deployment

- Using WireLess Deployer (optional).

System Requirements

WireLess Mobile Server

- Microsoft Windows NT, Microsoft Windows 2000 Server/Professional, Microsoft Windows XP, Microsoft Windows 2003.
- Microsoft Internet Information Services (IIS) 4x or superior.

WireLess Mobile Client

- Symbol, Intermec, Datalogic, HHP.
- Pocket PC 2002, Pocket PC 2003, Windows Mobile 2005, WinCE 4.20, WinCE 5.0.

