

optimized DATA MANAGEMENT
to mobilize your business

Birdstep RDM Mobile

A robust, reliable database specifically designed for embedded and mobile computing systems with applications requiring ultra small footprint, in-memory operation, minimum runtime memory usage, and high performance. RDM Mobile is ideally suited for applications in Telematic Systems, Smart Phones, PDAs, Electronic Notebooks, and Industrial Controllers.

Why Developers Choose Birdstep RDM Mobile

RDM Mobile is the database of choice for mobile application developers. With its rich feature set, small size and supported platforms, RDM Mobile provides a superior data management platform for mobilizing business critical applications.

Mobilizing Business Critical Applications

Developers choose RDM Mobile for applications where size matters, memory is limited, and performance is essential. RDM Mobile has very efficient indexing algorithms to ensure fast look-up of data even on systems with severely limited system resources.

Some of the key features offered by Birdstep RDM Mobile are:

- **In Memory Mode** – The developer-selected in-memory mode will allow developers to use the database in systems where persistent data storage is not available.
- **Object Oriented Hierarchical Database** – The system allows for organizing your data objects in parent-child relationships. In addition, any data object may be overloaded to store a variation of your base object.

- **Non-Locking Dynamic Scrollable Cursors** – Provides the most flexible cursor system in today's deeply embedded database market. Allowing for application flexibility and higher overall system performance.
- **Native API** – With over 150 API functions, application programmers can control the database manager to meet their specific application needs.
- **Transaction Handling** – Stability and consistency of data in the RDM Mobile database are assured through transaction handling implemented with full respect of the "ACID" database properties.
- **Multiple Data Types** – The developer has flexibility to define the database that best optimizes their design goals. This includes native support for true varchars and BLOB's.
- **Change Tracking** – If you need to synchronize your data you'll need this feature.
- **Multiple Operating Systems Supported** – RDM Mobile supports all the common mobile and RTOS operating systems including Windows CE, VxWorks, and QNX. Other operating systems can be supported upon request

RDM Mobile leads the way in mobile database products.

Database Specifications

- **Kernel Code Size: 256 kB**
- **Low runtime memory requirements**
- **Object-oriented data model, support for hierarchical data representation**
- **Transaction support**
- **Unicode support, multiple encodings**

Data Types Supported

- **Unsigned Character**
- **Signed Character**
- **Unsigned Short**
- **Signed Short**
- **Unsigned Long**
- **Signed Long**
- **Unsigned Long64**
- **Float**
- **Double**
- **Object Id**
- **BLOB (Binary Large Objects)**
- **Binary**
- **Date Time**

Operating Systems Supported

- **Fedora Core 2**
- **Fedora Core 4**
- **Red Hat Enterprise Linux release 4.0**
- **Windows 2000**
- **Windows XP Professional**
- **QNX Neutrino 6.2.1**
- **QNX Neutrino 6.3**
- **VxWorks v5.5.1**
- **VxWorks 6.2**

Native Languages Supported

- **C/C++**

Americas

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