



Raima Database Manager (RDM) Embedded is a high performance, real-time, small footprint embedded database management solution specifically designed for today's complex and networked devices and systems. For over 25 years embedded systems developers have successfully developed and deployed well over a million RDM based mission and business critical applications. Developers rely on the rock solid reliability and performance of the RDM Embedded product. Building upon past successes Raima continues to deliver new and innovative technology to the embedded system market.

Always Available

RDM Embedded provides high availability so you can rest assured that your database is up and running. From the beginning RDM Embedded was designed with zero database administration as a core requirement. What this means to users is that they can forgo the need for costly database administrators, like those needed for enterprise DBMS, because RDM Embedded is self managing. Furthermore, all database administration are handled programmatically through RDM Embedded's comprehensive administration API.



Real-time Data Collection

Collect controller data in a fast, predictable and reliable manner with RDM Embedded. RDM Embedded is a robust database management system requiring minimal hardware resources. Key to this efficient package is the fact that RDM Embedded is designed based on the network database model which is much more efficient and predictable than the relational model. Along with efficiency comes speed, and where other database solutions struggle to keep up with the rapid fire data provided by monitoring devices, RDM Embedded excels.

Built in Reliability and Consistency

RDM Embedded is a fully ACID compliant database so you know that the information collected is guaranteed to be accurate. RDM Embedded automatic recovery features assure that data will never be lost due to a system failure. RDM Embedded will come back up automatically, at the same time the device is brought back up, and insure that all data is stored safely in the database. RDM Embedded multi-user concurrency controls assure data consistency within environments where multiple users are accessing the same information.





Ultimate Control

The ability to manage and access information the way you need to is imperative to longtime success. Raima understands this and RDM Embedded provides maximum control of the database operation with an extensive low level C API of over 250 functions. RDM Embedded also provides several means to access data via industry standard interfaces like SQL, XML and ODBC. The RDM Embedded SQL API is a comprehensive collection of SQL functions that make it easy to query and manage data. These interfaces also provide standard methods for sharing data with other database solutions and applications. RDM Embedded's microHTTP server allows users to manage and access RDM database's using the standard HTTP protocol. The microHTTP Web server can easily be extended to also manage the device where the database resides.

Flexible Data Storage

RDM Embedded databases provide for the ultimate in data storage flexibility. Traditional on disk storage is fully supported allowing data to be stored on disk drives and flash memory devices. In-memory data storage is also fully supported allowing data to be stored within a device's RAM. Some applications may need a mixture of on-disk and in-memory data storage. For these types of applications RDM Embedded provides for a comprehensive hybrid memory model.



RDM Extensions

RDM Embedded Extensions provide additional functionality by extending the RDM Embedded Core to meet more specific requirements. These extensions allow developers to meet the requirement of high-availability, distributed databases, and dataflow with just a few lines of code. The RDM Extensions are RDMe HA which includes the components needed to achieve an even greater high availability. RDMe Distributed which includes the components to develop highly distributed database applications. And RDMe dataFlow which include the additional components needed to develop highly complex applications that require the real-time movement of data from the smallest embedded device up to the corporate enterprise.



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