

Birdstep Database Product Matrix

Database Product Name	RDM Server 4.0	RDM Embedded 6.0	RDM Mobile 2.0	RDM XML 2.0
Previous Product Name	Velocis	Raima Database Manager	Birdstep DataBase Engine	Birdstep DataBase Engine
Key Features				
Host platform	Server	Embedded and Desktop	PDA/Smartphone/Mobile Devices	PDA/Smartphone/Mobile Devices
DB kernel codesize *	2 Mbyte	~204 Kbyte	~180 Kbyte (~160 Kbyte w/o transactions)	~180 Kbyte (~160 Kbyte w/o transactions)
DB kernel Java API codesize *	-	-	~30 Kbyte	~30 Kbyte
Unicode regexp module *	-	-	~76 Kbyte	~76 Kbyte
XML Module	-	-	-	~218 Kbyte
SQL module codesize *	1 Mbyte	~140 Kbyte	-	-
XML java module *	-	-	-	~41 Kbyte
XML SAX I/O*	-	-	-	~37 Kbyte
XML Parser*	-	-	-	~111 Kbyte
Caching to optimize speed	Yes	Yes	No (done by file system)	No (done by file system)
Data models	Network, Relational	Network, Relational	Object Oriented, hierarchical	Hierarchical, Object Oriented
Relative DB size	X	X	X/2	X/2
Runtime mem requirements	Configurable, 5+ Mbyte min	Configurable, 50 Kbyte min	-	-
Administrative API	Yes	No	No	No
BLOB support	Yes	No	Yes	No
Dynamic DB schema	Yes	No	Yes	Yes
Heterogeneous clients	Yes	No	No	No
Hot Backup	Yes	No	No	No
In-memory database	No	No	Yes	Yes
Locking granularity	Row-level/Table-level	Table-level	Database level	Database level
Mirroring	No	Yes	No	No
Multitasking/multiple connections	Yes	Yes	Yes	Yes
Native XML	No	No	No	Yes
Partial rollbacks	Yes	No	No	No
Reentrant	Yes	Yes	Yes	Yes
SMP support	Yes	No	No	No
SQL optimizer	Yes	Yes	No	No
SQL support	Yes	Yes	No	No
Synchronization	Yes	Yes	No	No
Transaction support	Yes	Yes	Yes	Yes
Unicode	Yes	Yes	Yes	Yes
UTF-8	No	No	Yes	Yes

* Note: memory requirements are dependent on the Operating Systems and may vary among platforms.

API Support

JDBC	Yes	No	No	No
Native API	C	C	C++/Java (JNI)	C++/Java (JNI)
ODBC	Yes	No	No	No
SAX/DOM/XPATH	No	No	Yes	Yes
SQL89 compliance	Yes	No	No	No
SQL92 compliance	Yes	Yes	No	No

Platform Support

AIX	Yes	Yes	No	No
HP-UX	Yes	Yes	No	No
Linux	Yes	Yes	Yes	Yes
Palm	No	No	Yes	Yes
Solaris	Yes	Yes	No	No
UnixWare	Yes	Yes	No	No
VxWorks 5.5/Tornado 2.2	No	Yes	No	No
VxWorks - ver.5.4/Tornado 2	No	Yes	No	No
Windows CE 3.0 (Pocket PC 2000)	No	Yes	Yes	Yes
Windows CE 3.0 (Pocket PC 2002)	No	Yes	Yes	Yes
Windows CE 3.0 (Handheld PC)	No	Yes	Yes	Yes
Windows CE 4.0 (Emulator)	No	No	Yes	Yes
QNX Neurtino 6	Yes	Yes	No	No
Windows 2000	Yes	Yes	Yes	Yes
Windows NT 4.0	Yes	Yes	No	No
Windows 98	Yes	Yes	Yes	Yes
Windows ME	Yes	Yes	No	No
Windows XP	Yes	Yes	Yes	Yes