

Birdstep Database Product Matrix

July 12, 2002

Database Product Name	RDM Server 4.0	RDM Embedded 6.0	RDM Mobile 1.0
Previous Product Name	Velocis	Raima Database Manager	Birdstep DataBase Engine

Key Features

Host platform	Server	Embedded and Desktop	PDA/Smartphone/Mobile Devices
DB kernel codesize *	2 Mbyte	~204 Kbyte	~130 Kbyte (~150 Kbyte w/transactions)
DB kernel Java API codesize *	-	-	~30 Kbyte
OLE-DB/ADO module *	-	-	~248 Kbyte
SQL module codesize *	1 Mbyte	~140 Kbyte	~120 Kbyte
XML java module *	-	-	~30 Kbyte
XML module (DOM only) *	-	-	~425 Kbyte
XML module codesize *	-	-	~564 Kbyte
Caching to optimize speed	Yes	Yes	No (done by file system)
Data models	Network, Relational	Network, Relational	Hierarchical, Relational, Object Oriented
Relative DB size	X	X	X/2
Runtime mem requirements	Configurable, 5+ Mbyte min	Configurable, 50 Kbyte min	Configurable, 50 Kbyte min
Administrative API	Yes	No	No
BLOB support	Yes	No	Yes
Dynamic DB schema	Yes	No	Yes
Heterogeneous clients	Yes	No	No
Hot Backup	Yes	No	No
In-memory database	No	No	Yes
Locking granularity	Row-level/Table-level	Table-level	Database level
Mirroring	No	Yes	No
Multitasking/multiple connections	Yes	Yes	Yes
Native XML	No	No	Yes
Partial rollbacks	Yes	No	No
Reentrant	Yes	Yes	Yes
SMP support	Yes	No	No
SQL optimizer	Yes	Yes	No
SQL support	Yes	Yes	No
Synchronization	Yes	Yes	No
Transaction support	Yes	Yes	Yes
Unicode	Yes	Yes	Yes
UTF-8	No	No	Yes

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

API Support

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

Platform Support

AIX	Yes	Yes	No
HP-UX	Yes	Yes	No
Linux	Yes	Yes	Yes
Palm	No	Yes (unsupported)	No
Solaris	Yes	Yes	No
Symbian	No	No	No
Elate	No	No	No
UnixWare	Yes	Yes	No
VxWorks - AE/Tornado 3.1	No	Yes (July 2002)	No
VxWorks - ver.5.4/Tornado 2	No	Yes (July 2002)	Yes
Pocket PC 2002	No	Yes	Yes
Pocket PC 3.0	No	Yes (July 2002)	Yes
QNX 4	No	No	No
QNX Neutrino 6	Yes	Yes	No
Windows CE 3.0	No	Yes (July 2002)	Yes
Windows 2000	Yes	Yes	Yes
Windows NT 4.0	Yes	Yes	Yes
Windows 98	Yes	Yes	No
Windows ME	Yes	Yes	No
Windows XP	Yes	Yes	No

Legend:

Selection

Description

X

Yes

No (available on request)

No

Size of database is relative

Tested and supported

Can be ported/developed on request

Not tested and not supported