



## Feature Matrix

NEW IN INTERBASE XE	TO-GO	DESKTOP	SERVER	DEVELOPER
<b>New!</b> Stronger password protection with SHA-1 cryptographic hash function and passwords up to 32 bytes long	X	X	X	X
<b>New!</b> Support for Dynamic SQL in Stored Procedures	X	X	X	X
<b>New!</b> Support for increase buffer caches for improved performance.	X	X	X	X
<b>New!</b> Optimized performance of large objects with Stream methods	X	X	X	X
<b>New!</b> Improved scalability with the ability to handle 128 times more data.	X	X	X	X
HIGH-PERFORMANCE DURABLE ARCHITECTURE				
Full-featured ANSI-SQL RDBMS	X	X	X	X
Support for ACID-compliant transactions, Referential Integrity, Triggers, Cursors, Stored Procedures, Functions (including user-defined functions), and Data Domains	X	X	X	X
Extended support for International character support sets via Unicode (UCS-2) and UTF-8 for internationalized applications	X	X	X	X
Support for large and complex objects and external files for multi-media applications	X	X	X	X
Small footprint (less than 50 Megabytes), yet highly scalable	X	X	X	X
Batch Updates allow sending a group of SQL statements to reduce network traffic and improved performance, especially in LAN and WAN environments	X	X	X	X
Thread-safe client library provides enhanced stability and improved performance for InterBase® clients	X	X	X	X
Multigenerational architecture enables unparalleled concurrency between readers and writers	X	X	X	X
Native multi-threaded server with background garbage collection and multi-user page-buffer management	X	X	X	X
Garbage collection improves response and throughput	X	X	X	X
Optimized memory management allocation algorithms	X	X	X	X
Stored procedure and trigger cache management	X	X	X	X
Sort buffer cache management	X	X	X	X
Thread-private Latch Cache for enhanced SMP scalability	X	X	X	X
SECURITY				
Over-the-Wire (OTW) Encryption encrypts the data as well as any other communications (commands, etc.) between servers and clients			X	X
Database and Column-level encryption to encrypt a database and/or individual columns in a database	X	X	X	X
Strong (AES) Encryption support	X	X	X	
Weak (DES) Encryption support	X	X	X	X
Metadata security allows protection of intellectual property	X	X	X	X
Encryption of backup files adds an additional layer of protection to your data			X	X
Support for Users, Roles and Groups	X	X	X	X
RELIABILITY AND AVAILABILITY				
Journaling with Write Ahead Logging (WAL) for better VLDB management, and OLTP performance			X	X
Journal Archiving provides disaster recovery			X	X
Point-in-time-recovery allows journal based recovery based on timestamp for greater recovery flexibility			X	X
Online Incremental Backup	X	X	X	
Immediate automatic recovery from system failures	X	X	X	X
Automatic rerouting of databases			X	X
Server-side database alias			X	X
SCALABILITY				
Scales to handle up to 1,000 Users			X	X
Scales to handle up to a Terabyte of data	X	X	X	X
Scales to take advantage of today's multi-core and SMP machine architectures	X	X	X	X
Hyperthreading support for Intel® Pentium® 4 and Intel Xeon® processors	X	X	X	X

	TO-GO	DESKTOP	SERVER	DEVELOPER
Scales from embedded devices and applications, to single-user applications, to multi-user enterprise demands	X	X	X	X
To-Go Edition provides small, portable, inter-process version of the Desktop Edition. Target applications for the To-Go Edition include small devices and public kiosks, as well as Value Added Reseller (VAR) applications	X	X		
<b>BUILT FOR DEVELOPERS</b>				
Blob/Text SQL syntax enhancements allows use of BLOBs and VARCHAR data interchangeably, even in stored procedures	X	X	X	X
CodeGear Data Provider 2.5, an ADO.NET driver, makes InterBase “.NET-ready”		X	X	X
Support for Microsoft .NET Framework and Java development			X	X
Support for multiple development tools, including CodeGear RAD Studio, Delphi®, C++Builder®, C#Builder®, and 3rdRail™	X	X	X	X
Support for IBExpress and dbExpress native drivers in CodeGear Developer Studio (Delphi, C++)	X	X	X	X
Can be installed on multiple machines for testing purposes	X	X	X	X
Stored procedures encapsulate business logic on server for reduced network traffic	X	X	X	X
Dependency tracking of UDFs and generators in metadata to simplify development and reduce costs	X	X	X	X
User-defined functions for extensible query support	X	X	X	X
Modular triggers and event alerts	X	X	X	X
Delimited identifiers for flexible naming conventions	X	X	X	X
BLOBs, subtypes, and filters to capture arbitrarily large, unstructured data	X	X	X	X
Cascading referential integrity constraints help maintain the validity of data	X	X	X	X
SQL-compliant DATE, TIME, and TIMESTAMP support	X	X	X	X
Large exact numeric support	X	X	X	X
Programmable services to administer and monitor databases	X	X	X	X
Very Large Data Base (VLDB: 64 bit) I/O support allows databases in a single file to grow to terabytes in length	X	X	X	X
SQL ROWS feature gives better control of the result set	X	X	X	X
XML data-generation capability for InterBase clients	X	X	X	X
Support for the SQL99 SAVEPOINT function	X	X	X	X
ODBC for Windows®, Linux, and Solaris™ applications	X	X	X	X
InterClient® 8.0, a JDBC™ 2.0 Type 4-compliant JDBC driver for Java™ access			X	X
Support for J2EE™CMP2.x and data source connections through InterClient JDBC			X	X
<b>EASY TO EMBED AND DEPLOY</b>				
Multiple instances of InterBase on the same machine	X	X	X	X
Connection monitoring support for viewing, starting, stopping, and transactions including monitoring via IBConsole			X	X
Embedded database user authentication	X	X	X	X
Self-tuning features minimize database administration	X	X	X	X
Asynchronous statement cancel gives you the ability to cancel queries		X	X	X
Regulate your application's usage by leveraging built-in licensing components	X	X	X	X
Cross-platform installer with unified look and feel	X	X	X	X
Easier installation and small footprint simplify deployment requirements	X	X	X	X
Silently embed InterBase into your applications with customizable install components	X	X	X	X
Windows native installer for faster install experience	X	X	X	X
Deploy databases on CD-ROM, DVD, and other read-only media		X	X	
Unlimited user licensing available			X	
<b>SUPPORTS THE MOST POPULAR PLATFORMS</b>				
Cross-platform support lets you choose the most appropriate platform for your needs, including Windows, Linux, Solaris, Mac OS®, and Amazon EC2			X	X
Transparent interoperability allows seamless database portability	X	X	X	X
Windows 7 Enterprise, Windows Server 2008, 2008 R2, Vista, Vista 64-bit, and XP Professional SP3	X	X	X	X
Support for Mac OS/X 10.5 and 10.6, Red Hat Enterprise Linux 5, Solaris 10, SUSE Linux Enterprise Server 10 and 11			X	X

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