



Feature Matrix

NEW IN INTERBASE XE	DESKTOP/TO-GO	SERVER	DEVELOPER
New! Stronger password protection with SHA-1 cryptographic hash function. InterBase XE supports passwords up to 32 bytes long.	X	X	X
New! Support for Dynamic SQL in Stored Procedures	X	X	X
New! Support for increase buffer caches for improved performance	X	X	X
New! Optimized performance of large objects with Stream methods	X	X	X
New! Improved scalability with the ability to handle 8 times more data	X	X	X
HIGH-PERFORMANCE DURABLE ARCHITETECTURE			
Full-featured ANSI-SQL RDBMS	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
Support for Unicode for Internationalized applications	X	X	X
Support for large and complex objects and External files for multi-media applications	X	X	X
Small footprint (Less than 50 Megabytes), yet highly scalable	X	X	X
Cross-platform support lets you choose the most appropriate platform for your needs, including Windows, Linux, and Solaris	X	X	X
Multiple instances of InterBase on the same machine (multi-tenancy)	X	X	X
InterClient® 8.0, a JDBC™ 2.0 Type 4-compliant JDBC driver for Java™ access	X	X	X
Support for J2EE™ CMP2.x and data source connections through InterClient JDBC	X	X	
Internet socket communications over TCP/IP for access between networks	X	X	
Named pipes over NetBEUI on Windows networks	X	X	
Support for Microsoft.NET Framework and Java development	X	X	
ODBC for Windows®, Linux, and Solaris™ applications	X	X	X
IBConsole and Performance Monitoring functions	X	X	X
Batch Updates allow sending a group of SQL statements, reduces the network traffic resulting in improved performance, especially in LAN and WAN environments	X	X	X
SMP support for high performance on multiple CPU systems including multi core CPUs	X	X	X
Thread-safe client library-enhanced stability and improved performance for InterBase® clients	X	X	X
Multigenerational architecture enables unparalleled concurrency between readers and writers	X	X	X
Native multi-threaded server with background garbage collection and multi-user page-buffer management	X	X	X
Unicode, the universal character set, plus other international character sets	X	X	X
Support for character sets including ISO8859_2 (Latin2), ISO8859_15 (Latin9), and KOI8-R	X	X	X
New! Extended support for International character support sets via Unicode (UCS-2) and UTF-8	X	X	X
ODBC for Windows®, Linux, and Solaris™ applications	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	
Global temporary tables	X	X	X
CASE, COALESCE, and NULLIF	X	X	X
Internet socket communications over TCP/IP for access between networks	X	X	X
Named pipes over NetBEUI on Windows networks	X	X	X
Blob/Text SQL syntax enhancements allows use of BLOBs and VARCHAR data interchangeably, even in stored procedures	X	X	X
CodeGear Data Provider, an ADO.NET driver, makes InterBase “.NET-ready”	X	X	X
Support for multiple development tools, including CodeGear RAD Studio, Delphi®, C++Builder®, C#Builder®, 3rdRail™, and JBuilder®	X	X	X
Support for Microsoft® Visual Studio®, and other development environments	X	X	X

Support for IBExpress and dbExpress native drivers in CodeGear Developer Studio (Delphi, C++)	X	X	X
Stored procedures encapsulate business logic on server for reduced network traffic	X	X	X
Dependency tracking of UDFs and generators in metadata	X	X	X
User-defined functions for extensible query support	X	X	X
Active database features include modular triggers and event alerters	X	X	X
Delimited identifiers for flexible naming conventions	X	X	X
BLOBs, subtypes, and filters to capture arbitrarily large, unstructured data	X	X	X
Cascading referential integrity constraints help reveal the validity of data	X	X	X
SQL-compliant DATE, TIME, and TIMESTAMP support	X	X	X
Large exact numeric support	X	X	X
Programmable services to administer and monitor databases	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
SQL ROWS feature gives better control of the result set	X	X	X
XML data-generation capability for InterBase clients	X	X	X
Support for the SQL99 SAVEPOINT function	X	X	X
SECURITY	DESKTOP/TO-GO	SERVER	DEVELOPER
Over-the-Wire (OTW) Encryption encrypts the data as well as any other communications (commands, etc.) between servers and clients.	X	X	X
Database and Column-level encryption to encrypt a database and/or individual columns in a database	X	X	X
Strong (AES) and Weak (DES) Encryption support	X	X	
Metadata security allows protection of intellectual property	X	X	X
Encryption of backup files adds an additional layer of protection to your data	X	X	X
Support for Users, Roles and Groups	X	X	X
Reliability and Availability			
Journaling with Write Ahead Logging (WAL) for better VLDB management, and OLTP performance	X	X	X
Journal Archiving provides disaster recovery	X	X	X
Point-in-time-recovery allows journal based recovery based on timestamp for greater recovery flexibility	X	X	X
Incremental Backup	X	X	
Automatic rerouting of databases	X	X	X
Server-side database alias	X		
SCALABILITY	DESKTOP/TO-GO	SERVER	DEVELOPER
Scales to handle up to 1,000 Users	X	X	
Scales to handle up to a Terabyte of data	X	X	X
Scales to take advantage of today's multi-core and SMP machine architectures	X	X	X
Hyperthreading support for Intel® Pentium® 4 and Intel Xeon® processors	X	X	X
Unlimited user licensing available	X	X	X
To-Go Edition provides small, portable 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 that were built using InterBase.	X	X	X
SUPPORTS THE MOST POPULAR PLATFORMS	DESKTOP/TO-GO	SERVER	DEVELOPER
Cross-platform support lets you choose the most appropriate platform for your needs, including Windows, Linux, Solaris, Mac OS®, and Amazon EC2			
Transparent interoperability allows seamless database portability	X	X	X
Support for Microsoft .NET Framework and Java development	X	X	X
Support for Mac OS® X 10.5 and 10.6	X	X	X
Red Hat Enterprise Linux 5	X	X	X
Solaris 10	X	X	X
SUSE Linux Enterprise Server 10 and 11	X	X	X
Windows 7 Enterprise, Windows Server 2008, 2008 R2, Vista, Vista 64-bit, and XP Professional SP3	X	X	X