



Feature Matrix

HIGH-PERFORMANCE DURABLE ARCHITECTURE	DESKTOP/TO-GO	SERVER	DEVELOPER
New! Over-the-Wire (OTW) Encryption encrypts the data as well as any other communications (commands, etc.) between servers and clients.	x	x	x
New! Database and Column-level encryption to encrypt a database and/or individual columns in a database	x	x	x
New! Strong (AES) and Weak (DES) Encryption support	x	x	
New! 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. (To-Go Edition only)	x		
New! Encryption of backup files adds an additional layer of protection to your data		x	x
Journaling with Write Ahead Logging (WAL) technology improves VLDB management, and facilitates disaster recovery		x	x
Journal Archiving provides disaster recovery in the event a database becomes unavailable due to hardware or software failures that may make the primary database permanently inaccessible		x	x
Point-in-time-recovery allows journal based recovery based on timestamp for greater recovery flexibility		x	x
Online Dump provides backup for seamless incremental backup	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
Scalability from embedded, single-user applications to enterprise demands	x	x	x
Immediate automatic recovery from system failures	x	x	x
Garbage collection improves response and throughput	x	x	x
Improved memory management allocation algorithms	x	x	x
Stored procedure and trigger cache management	x	x	x
Sort buffer cache management	x	x	x
Thread-private Latch Cache for enhanced SMP scalability	x	x	x
ADHERENCE TO STANDARDS PROTECTS YOUR SOFTWARE INVESTMENT AND ENHANCES PORTABILITY			
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	
New! ODBC driver from DataDirect freely redistributable with InterBase	x	x	
ANSI SQL92 (entry-level) conformance	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
EASILY CONNECT WITH POPULAR NETWORK PROTOCOLS			
Internet socket communications over TCP/IP for access between networks	x	x	
Named pipes over NetBEUI on Windows networks	x	x	

BUILT FOR DEVELOPERS	DESKTOP/TO-GO	SERVER	DEVELOPER
Blob/Text SQL syntax enhancements allows use of BLOBs and VARCHAR data interchangeably, even in stored procedures	x	x	x
CodeGear Data Provider 2.5, 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
Can be installed on multiple machines for testing purposes			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
Scalability testing on SMP machines with multiple connections, with Developer Edition	x		
Partner CD contains many popular tools for InterBase	x	x	
EASY TO EMBED AND DEPLOY			
Multiple instances of InterBase on the same machine	x	x	
Automatic rerouting of databases	x	x	
Server-side database alias	x	x	x
Improved access to connection monitoring features directly from IBConsole	x	x	x
Unlimited user licensing available		x	
Cross-platform installer with unified look and feel	x	x	x
Connection monitoring support for viewing, starting, stopping, and transactions	x	x	x
Easier installation and small footprint simplify deployment requirements	x	x	x
Silently embed InterBase into your applications with customizable install components	x	x	x
Windows native installer for faster install experience	x	x	x
Regulate your application's usage by leveraging built-in licensing components	x	x	x
Deploy databases on CD-ROM, DVD, and other read-only media	x	x	x
Embedded database user authentication	x	x	x
Self-tuning features minimize database administration	x	x	x
Asynchronous statement cancel gives you the ability to cancel queries	x	x	x
Metadata security allows protection of intellectual property	x	x	x
SUPPORTS THE MOST POPULAR PLATFORMS			
Support for Microsoft .NET Framework and Java development		x	x
Support for Microsoft Windows 7 (32-bit and 64-bit), Microsoft Windows Vista, Microsoft Windows Server™ 2003, Microsoft Windows Server 2008 R2 (64-bit), Microsoft Windows XP (SP2) and Microsoft Windows 2000 (SP4)	x	x	x
Cross-platform support lets you choose the most appropriate platform for your needs, including Windows, Linux, Solaris, and Mac OS®/X		x	x
Transparent interoperability allows seamless database portability	x	x	x

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