



# Finally a database that evolves as fast as your application

## Raise Your Expectations with OpenQM

OpenQM is a high-performance, self-tuning database with an extremely efficient footprint. At a fraction of the price of other MultiValue databases, OpenQM comes bundled with AccuTerm 7 and provides incredible value for software houses and end users alike. Auto-sizing of database files, object oriented programming, class and exception handling, simplified web development and more can be yours with a move to OpenQM.

## Why OpenQM?

If you have an existing PICK MultiValue application or are about to start developing a new application, OpenQM may be the solution you have been seeking. OpenQM offers a high-performance, modern database environment with an extremely efficient footprint, small enough to run on a Raspberry Pi, that provides massive annual maintenance savings.

## OpenQM & Rocket Software

OpenQM has long sought to improve your application performance and raise expectations and our focus is ensuring that your PICK applications are ready for the next generation of developers. This means we are constantly adding modern features and interfaces. Under Rocket Software ownership, OpenQM support and maintenance is available directly from Rocket. With technical support engineers located across the United States and England, you'll always be able to reach someone who knows the importance of keeping your MultiValue application up and running.

Our software developers, technical support engineers, infra-structure experts, and cloud engineers will work with you to support, protect, and modernize your PICK application whether on site or in the cloud.

## OpenQM at a Glance

OpenQM began in 1993 as an embedded database from Ladybridge Systems. It was released in its own right in mid-2001 on Windows systems and extended to Linux in 2003.

In 2015, OpenQM announced a partnership with Zumasys to provide worldwide distribution, to create a comprehensive telephone support/maintenance program.

In 2019, Zumasys acquired OpenQM and Martin Phillips joined the company as a full time developer.

In 2021, Rocket Software acquired OpenQM officially marking a new era where all the major MultiValue databases are back together under one roof.

## 5 Benefits

- **Improve performance**  
Enjoy 2X performance increase on your application with OpenQM
- **Scalability**  
OpenQM scales from single user systems to those running hundreds of users
- **Ease of migration**  
Migration from your existing system is painless since OpenQM has close compatibility with other major MultiValue products
- **Reduce costs**  
At less than \$200/user (plus maintenance), OpenQM is the most affordable PICK database on the market
- **Rely on Rocket Software support**  
Access technical support from the largest team of PICK MultiValue developers and engineers

## Database Files

QM uses a high performance, zero maintenance, self-tuning hashed file system backed up by a B-tree based index system for secondary key access. Individual files can be up to 16384Gb — more than enough for even the biggest users.

Seven styles file system trigger provide a simple way to implement data validation, integrity checks and event triggering that simplifies the main application programs. Field and record level encryption using the AES 128, 192 or 256 bit algorithms provide effective security for sensitive data. A highly flexible data replication option allows easy maintenance of reporting servers, standby systems and merging of data from remote sites at a central location.

Database dictionaries can be built using D/I or A/S type entries (or a mix). QM uses fast, compiled correlatives for improved performance in applications ported from other environments.

Dictionary structure can be simplified by use of link records to define the relationship between files, the ability for TRANS() to reference a calculated value in the remote file, and nesting of compound I-types.

The integrated QMNet package allows access to QM files on other servers with full concurrency control.

## Command Language

QM extends the command language to add features that reduce the need to write programs for job control tasks.

These include user defined variables in paragraphs and the ability to insert variable data into commands using an extended inline prompt syntax. This can take data from select lists, user defined and system variables, QMBasic functions, etc.

## Application Development

The QMBasic programming language extends the core language common to all MultiValue database products by adding new statements and functions. These include

addition of arguments and local variables to internal subroutines, definition of internal functions, statements to simplify access to comma separated variable (CSV) data, and a powerful object oriented programming package.

QM's full screen editor is tightly integrated with the underlying database to improve developer productivity. Users can add extensions to the editor for personalized features.

Advanced diagnostic tools include a Hot Spot Monitor for performance analysis, optional process dump file creation at a run time error and the ability to debug phantom processes

## Query Processing

QM's query processor supports automated panning across reports that are wider than the screen, the ability to page back through a report, and report styles to emphasise headings, totals, etc using color on displays or font weights on PCL printers.

## QMClient

The QMClient API enables developers to access QM from other languages such as Visual Basic and C. Options are provided to maintain strict security by limiting what features are available to QMClient users.

## Documentation

QM comes with an extensive pdf documentation package backed up by equivalent Windows and browser based help.

## Compatibility

Although QM is not a clone of any other MultiValue product, it closely follows the language style of other "Information" type products. Options are provided to select features that give closer compatibility to PICK style environments to ease migration. Tape utilities with compatible media formats are provided to ease transfer of applications and data.

## QM Licensing

QM licenses are available from a growing number of dealers and distributors around the world or directly from Rocket Software. Device licensing allows multiple connections from a single client to share a QM license. This feature is available for use with QMConsole, AccuTerm, Winnix, QMTerm and QMClient. Three options are available: two sessions per license, four sessions per license and eight sessions per license.

## Licenses & Support

A fully supported commercial license for QM costs a fraction of most other MultiValue products. All licenses are sold with 1 year maintenance and support agreements. These agreements are automatically renewed in year 2, generally 60 days prior to expiration. Maintenance is optional in year 2. As long as maintenance is intact, upgrades to a new release are free. There are no hidden charges.

## Developer Licenses

Genuine application developers building a product for sale on the commercial QM product are entitled to an annually renewable, four user QM license without charge.

## Evaluation and Personal Licenses

If you want to try QM, there are two ways in which you can get the commercial QM product for free. A thirty day, four user evaluation license is available from [www.openqm.com](http://www.openqm.com). This is a fully functional version of QM and includes limited support during the evaluation period. A Personal Version is also available. This is a single user license intended for educational purposes and for development of software that may become a commercial product for use by others. There are some restrictions on its use, the bundled AccuTerm license is not included, and it comes with no free support after installation.

## Platforms

The commercial QM product is available for Windows, Linux, FreeBSD, Mac OS X and AIX on RS6000. Please ask if you may need QM on an alternative platform.

## Bundled Software

Every commercial QM license includes an automatic activation of the AccuTerm 7 terminal emulator at no extra cost. This is the standard AccuTerm 7 product (not AccuTerm 8) but the version is not cut down in any way. It includes powerful “visual styles” that allow creation of Windows style screens from character mode applications.

### Questions?

Contact our sales team at  
[sales@openqm.com](mailto:sales@openqm.com) or  
visit [openqm.com](http://openqm.com)