



Software Product Description

PRODUCT NAME: *Compaq COBOL Version 2.7 for Windows NT Alpha Systems* SPD 55.01.04

DESCRIPTION

Compaq COBOL for Windows NT Alpha Systems is a high-level language for business data processing that operates on the *Windows NT Operating System*. *Compaq COBOL* (formerly named DEC and DIGITAL COBOL) is based upon the 1985 ANSI COBOL Standard X3.23-1985 as modified by the X.23a-1989 amendment and is designed to be closely compatible with *Compaq COBOL for OpenVMS VAX Systems*, *COBOL for OpenVMS Alpha Systems*, and *Compaq COBOL for Tru64 UNIX Systems* with some platform specific differences and limitations.

Compaq COBOL for Windows NT Alpha conforms to the HIGH level for COBOL as specified by the National Bureau of Standards.

Compaq COBOL includes various Compaq Corporation extensions to COBOL, such as file sharing and the ANSI Report Writer facility, pointer data types, and enhanced CALL statement. *Compaq COBOL for Windows NT Alpha Systems* also includes some X/OPEN features.

For current release specific detailed technical information, please refer to the *Compaq COBOL V2.7 Release Notes*. *Compaq COBOL V2.7* for Windows NT Alpha will be the last release of the product shipping on Windows NT Alpha systems. This version is purchasable as an upgrade for current customers of *Compaq COBOL V2.6* for Windows NT Alpha.

For added flexibility and for compatibility with *Compaq COBOL for OpenVMS VAX Systems*, the following Compaq extensions to COBOL are implemented in *Compaq COBOL*:

- The DISPLAY WITH CONVERSION extension which converts data from internal numeric format to "ASCII display format" as appropriate.
- File sharing and record locking features enable more than one user to access data at the same time.
- Conditional compilation serves to make debugging easier.
- Source program terminal format recognition is supported.

Compaq COBOL implements several COBOL language extensions designed to make programming easier in the *Window NT* environment:

- Names Flag-Manipulates the case of names visible to the linker
- CALL statement extensions: BY VALUE, OMITTED, and GIVING
- USAGE IS POINTER—Address data type
- VALUE IS REFERENCE—Compile time address evaluation
- SET TO REFERENCE—Run-time address evaluation
- SUCCESS/FAILURE—Class conditions

Other extensions include:

- 31-digit numeric user items and 32-digit intermediates
- Thirty-one-character user names
- ACCEPT AT END statement
- Single-quote-delimited, non-numeric literals
- Hyphen/underscore equivalence in user names

- Non-numeric literal argument passing
- Enhanced support for “foreign” extensions with improved diagnostic messages
- X/Open specified RETURN-CODE special register
- X/Open specified ASSIGN TO syntax
- X/Open file sharing and record locking features
- X/Open LINE SEQUENTIAL

The *Compaq COBOL* compiler produces an object module from a source program. The compiler is capable of producing a source listing with embedded diagnostics indicating the line and position of a source-code error, a machine language listing, a file-name map, a data-name map, a procedure-name map, an external program name map, and a cross-reference listing. The cross-reference listing and maps may be produced in either alphabetical order or in order of declaration. The cross-reference listing distinguishes destructive references to data from read-only references.

Object modules produced by the compiler can be linked with other object modules produced by other languages, including Microsoft’s Visual C++ V5.0.

Run-Time Library Redistribution

The *COBOL for Windows NT Alpha* media kit includes the updated Run-Time Library shareable objects. Compaq grants the *Compaq COBOL for Windows NT Alpha* user the right to use the software program version as well as any prior version, by the number of individuals as specified in the license agreement.

The *Compaq COBOL for Windows NT Alpha* user may distribute the object code produced, only with a copy of the *Compaq COBOL Runtime for Windows NT Alpha (Run-Time Only)* product, that includes Microsoft’s C RTL (software file designated as MSVCRTxx.DLL). The *Compaq COBOL Runtime Software* requires a license for each individual accessing the object code as indicated in the Run-Time license agreement.

HARDWARE REQUIREMENTS

Compaq COBOL for Windows NT Alpha runs on any *Alpha* hardware platform that supports Windows NT Version 4.0

Disk Space Requirements

Disk space required for installation: 80 MB

Disk space required for permanent use: 70 MB

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user’s system environment, configuration, and software options selected.

SOFTWARE REQUIREMENTS

Windows NT Alpha Operating System (SPD 41.61.xx) Version 4.0, Service Pack 4 or 5.

DISTRIBUTION MEDIA

Media and documentation for these products are available through a CD-ROM containing the *Compaq COBOL for Windows NT Alpha* product.

ORDERING INFORMATION

Compaq COBOL V2.7 for Windows NT Alpha can be ordered as an upgrade package from Compaq and its business partners for customers that have proof of licenses of earlier product versions.

Compaq COBOL V2.7 for Windows NT Alpha

QB-5QSAA-MA	1 Individual Use License/CD/Doc Upgrade Package
QM-5QSAA-CA	1 Individual Use Upgrade License

Compaq COBOL V2.7 for Windows NT Alpha (Run-Time Only)

QM-5QRAA-AA	1 Individual Use License
QM-5QRAA-AC	10 Individual Use Licenses
QB-5QRAA-MA	1 Individual Use License/CD /Documentation Upgrade Pkg
QM-5QRAA-CC	1 Individual Use Upgrade License
QP-5QRAA-01	50 Individual Use Licenses (Package)
QP-5QRAA-02	100 Individual Use Licenses (Package)

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SOFTWARE PRODUCT SERVICES

No new support services are offered on this product. Existing support contracts will continue to be supported until their expiration. In line with Compaq’s support of Alpha Windows NT systems, *Compaq COBOL V2.7* is the last planned release of *Compaq COBOL* on the Alpha Windows NT platform. This release is being provided as a service to existing *Compaq COBOL* for Alpha Windows NT customers wishing to purchase a product upgrade or those customers on a service plan for rights to new versions.

SOFTWARE LIMITED WARRANTY

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The previous information is valid at time of release. Please contact your local Compaq office for the most up-to-date information.

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