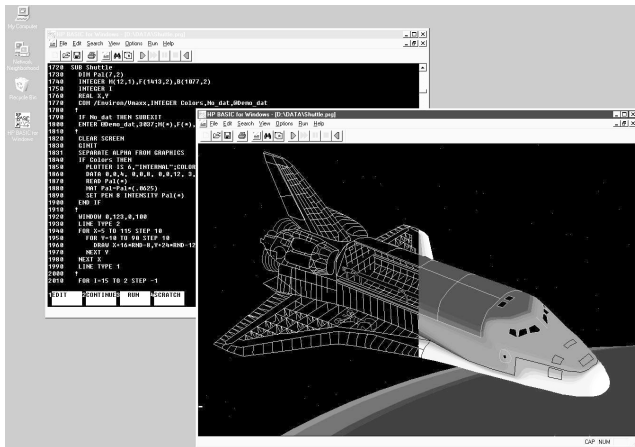


Agilent E2060C

BASIC for Windows

Data Sheet

- Includes new Windows Graphical User Interface
- An easy-to-learn/use textual programming language
- Features powerful graphic commands to display data
- Helps you create quality user interfaces and includes BASIC Plus
- Windows 98 compatible
- Includes new SERIAL32 driver support.



Agilent E2060C

Description

Agilent's E2060C BASIC for Windows development software brings the power and ease-of-use of the popular BASIC to the PC and the Microsoft Windows operating system. It's the solution you need for today's test challenges—with the long-term commitment you need to carry you beyond tomorrow.

E2060C provides two versions—Legacy and Enterprise—on a single CD. Legacy provides an upgrade to the traditional Rocky Mountain BASIC programming environment and supports BASIC Plus. The upgrade includes: additional support of over four million program lines, improved conformance of the MAT statement, and the addition of Universal Naming Convention (UNC) support. The Legacy version is supported under Windows 3.1, Windows 95, Windows 98 and Windows NT 4.0.

The Enterprise version is implemented in 32-bit code to optimize when running in Windows 95, Windows 98 or Windows NT. It includes a new graphical user interface (GUI) with pull-down menus, dialog boxes, toolbars, and scroll bars for a more integrated Windows environment.

Refer to the Agilent Technologies Website for instrument driver availability and downloading instructions, as well as for recent product updates, if applicable.

E2060C BASIC for Windows is a port of the Rocky Mountain BASIC to the PC and the Microsoft Windows operating system. E2060C provides two versions—Legacy and Enterprise—on a single CD.

The BASIC for Windows Legacy version provides an upgrade to the traditional Rocky Mountain BASIC programming environment and supports BASIC Plus. The upgrade includes: additional support of over four million program lines, improved conformance of the MAT statement, and the addition of Universal Naming Convention (UNC) support. The Legacy version is supported under Windows 3.1, Windows 95, Windows 98 and Windows NT 4.0.

The BASIC for Windows Enterprise version, implemented in 32-bit code for Windows 95, Windows 98 or Windows NT, includes a new graphical user interface (GUI) with pull-down menus, dialog boxes, toolbars, and scroll bars for a more integrated Windows environment. The Enterprise version supports SEPARATE ALPHA FROM GRAPHICS, inbound serial TRANSFER and serial interrupts.



Agilent Technologies
Innovating the HP Way

Service and Support

A full range of services are available for BASIC and its complementary products. A volume discount license (E2066C) is available and contains a license-only with an additional serial number. You can purchase Technical Assistance, E2060C +H00, which puts you in touch with our expert test & measurement engineers. You can also purchase an automatic upgrade distribution contract, E2060C +UAF, which ensures that the most recent product will be delivered to you even before the upgrade is released to new customers. If you already own BASIC for Windows, you can receive update discounts when you order the revision update option, E2060C Opt. AGE. Revision updates allow you to purchase the latest revision at your convenience.

BASIC Plus

BASIC Plus is available only in the Legacy version of BASIC for Windows. BASIC Plus adds two important features to BASIC: user interface graphics commands and online help enabling compatibility with Workstation BASIC Plus. BASIC Plus lets you easily create bright, crisp user interface graphics. All of the graphics provide a wide range of settings that you can easily customize to meet your application requirements. With just a few lines of code you can create a variety of graphics objects, including objects as complicated as STRIPCHART, METER, XY GRAPH, and RADIOBUTTON. In addition, BASIC Plus provides online help for all the BASIC and BASIC Plus keywords. You can access information directly by keyword, or by using the keyword dictionary. You can even copy examples from online help directly into your BASIC program.

Porting From Other BASIC Platforms

You can move 98% of your programs developed on other BASIC platforms to BASIC for Windows. Using the SAVE command, you can easily move to BASIC for Windows, protecting your investment in software development. BASIC for Windows includes utilities to help you move your program and data files from LIF-formatted floppy disks.

Improvements in Porting

Now, support of serial TRANSFER makes it easier for you to reuse your existing workstation applications or develop a program on your workstation and port it to your PC.

For more information on porting, request the brochure *BASIC for Windows Porting Considerations*, pub. no. 5964-6019E.

Accessory Products

BASIC for Windows CSUB (Compiled Subroutine) Utility—E2061A

The CSUB tool kit allows you to build compiled subroutines for BASIC for Windows applications. A compiled subroutine runs directly on the processor hardware and has access to all its power functionality. Many functions can be performed that would otherwise be impossible with BASIC programs. Once built, a CSUB may be loaded into a BASIC for Windows program using the LOADSUB command, or it can be deleted with the DELSUB command. CSUBs may be stored in a PROG file and loaded along with other subprograms.

Tools Required for Compiled Subroutines

You will need the Microsoft C++ 32-bit compiler and Linker to develop CSUBs for BASIC for Windows. Visual C++ versions 2.x run under MS-DOS or Windows unless you purchase the PharLap Front Runner product (not available from Agilent) and install the Win-Host environment for the Front Runner package.

BASIC for Windows Numeric Compiler—E2062A

The numeric compiler is installed as a simple program under Windows and is easy to use. It allows you to optimize the performance of SUBs in your BASIC programs. The numeric compiler does not generate standalone executable programs. It simply takes SUBs and turns them into CSUBs that operate within the BASIC for Windows interpreter. These are distinct from the CSUBs you can produce with the E2061A CSUB toolkit that are external DLLs and are not executed from within the BASIC for Windows environment. You can only compile SUBs; user-defined functions cannot be compiled.

Complementary Products

Rocky Mountain BASIC (RMB/UX)

RMB/UX is available on the HP-UX S/700 platform. For more information, visit the website at URL www.agilent.com/find/basic.

SRM

BASIC for Windows is now a full SRM/UX client. This allows a 200/300 system with BASIC/WS that was connected to an SRM/UX system to be replaced by a PC and BASIC for Windows. SRM/UX networking now allows file sharing between BASIC for Windows on a PC and computers with BASIC/WS or workstations with BASIC/UX S/300 or BASIC/UX S/700.

Product Specifications

BASIC for Windows Legacy Version

- PC CPU requirements:** 486 minimum (Pentium or higher recommended)
- PC software requirements:** Windows 95, Windows 98, or Windows NT 4.0
- PC memory requirements:** 5 MB free hard drive space, 16 MB RAM (32 MB recommended)

Note: CD-ROM drive or access to CD-ROM over a network is required.

BASIC for Windows Enterprise Version

- PC CPU requirements:** 386 or higher
- PC software requirements:** Windows 3.1*, Windows 95, Windows 98 or Windows NT 4.0
(*Windows 3.1 requires Win32s, which is included)
- PC memory requirements:** 5 MB free hard drive space, 4 MB RAM (8 MB recommended)

I/O Cards Supported

- GPIB (IEEE-488):** Agilent 82341C, 82341D, 82350A, TransEra GPIB-900, National Instruments PC2, PC2A, PC3, AT-GPIB, and MC-GPIB, IOtech GP488, GP488A, Personal 488, Personal 488/2, and Power 488.
- Serial:** Windows-compatible serial interfaces
- GPIO:** Agilent E2075A General Purpose I/O card
TransEra HM600 GPIO card
- SRM:** TAMS E2085G

Ordering Information

Description	Product No.
BASIC for Windows w/BASIC Plus (includes both the Legacy and Enterprise versions)	E2060C
Revision Upgrade	E2060C AGE
BASIC Response Center Support	E2060C + H00
BASIC SW Updates & Licenses	E2060C + UAF
BASIC for Windows CSUB Utility	E2061A
BASIC for Windows Numeric Compiler	E2062A
BASIC for Windows (volume product)	E2066C
Revision Upgrade	E2066C AGE
BASIC Response Center Support	E2066C + H00
BASIC SW Updates & Licenses	E2066C + UAF

Related Literature

2000 Test System and VXI Catalog CD-ROM,
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

2000 Test System and VXI Catalog,
Agilent Pub. No. 5980-0307E (overview of VXI products)

1998 Test System and VXI Products Data Book,
Agilent Pub. No. 5966-2812E

Online

Internet access for Agilent product information, services and support
www.agilent.com/find/tmdir

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxichanpart

Agilent Technologies' HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
www.agilent.com/find/inst_drivers

Agilent Technologies Electronics Manufacturing Test Solutions
www.agilent.com/go/manufacturing

Get assistance with all your test and measurement needs at
www.agilent.com/find/assist
or check your local phone book for the Agilent office
near you.

Agilent Technologies' test and measurement service/support commitment

Agilent strives to maximize the value our test and measurement products give you, while minimizing your risk and service/support problems. We work to ensure that each product is realistically described in the literature, meets its stated performance and functionality, has a clearly stated global warranty, and is supported at least five years beyond its production life. Our extensive self-help tools include many online resources (www.agilent.com).

Experienced Agilent test engineers throughout the world offer practical recommendations for product evaluation and selection. After you purchase an Agilent product, they can provide no-charge assistance with operation verification and basic measurement setups for advertised capabilities. To enhance the features, performance, and flexibility of your test and measurement products—and to help you solve application challenges—Agilent offers free or extra-cost product options and upgrades, and sell expert engineering, calibration, and other consulting services.

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