

Agilent 3070 now powered by industrial PC controllers

Rugged,
reliable,
built for test

Spanning two decades, the Agilent 3070 platform has consistently defined state-of-the-art test. The pattern continues today. Now the world's most widely adopted in-circuit test (ICT) system combines Microsoft® Windows®-based operation with a rugged, industrialized controller. It's the logical evolution in ICT: with the Windows-based Agilent 3070, you get full Agilent 3070 test capability plus a rugged new controller that is designed specifically for professional test environments.

- New industrial PC (IPC) controller replaces all previous Windows test head controllers.
- Virtually every product feature that is available today on a UNIX-based Agilent 3070 runs identically on Windows. All future Agilent 3070 features will be available only on the PC platform.
- Windows-based Agilent 3070s are run-time interoperable with existing UNIX-based Agilent 3070s. Run tests on either platform with no additional program conversion step.
- You choose how you migrate: add Windows-based systems to your UNIX floor; upgrade your UNIX controllers to Windows; or use standalone PC-based development software to write programs on a laptop and run the tests on either platform.

The Switch Is On

The future of the Agilent 3070 rests with Windows-based controllers. Why? Simply stated, the PC has come of age. It ushers in a variety of operational and financial advantages over UNIX-based test systems.

- *Easier test development: twice as fast as UNIX*
- *Software upgrades in 20 minutes*
- *Lower administration costs and easier system maintenance thanks to wide availability of Windows expertise*

- *Painless integration with PC-based manufacturing equipment and enterprise applications*
- *Lower entry cost compared to UNIX*

To learn more about the attributes of Windows- versus UNIX-based test, visit www.agilent.com/see/3070_tech_support and follow the links to Technical Papers followed by System Administration Tech Papers.



Agilent Technologies

Full-featured test

The Windows-based Agilent 3070 has been designed to merge seamlessly—painlessly—with your existing UNIX-based environment. System capabilities, features, and test practices are virtually identical across platforms. A very few legacy features—EFS handlers, backtracing, Serial Consultant, and Fault Detective—have not been brought forward to the Windows platform. Everything else that is available in UNIX is available in Windows. You have all the capabilities you currently have, plus one additional advantage: with a Windows-based Agilent 3070, you have access to emerging test technologies, many of which will be available only on Windows.

True interoperability

“Interoperability” across Windows and UNIX platforms means true test object compatibility, so Windows- and UNIX-based Agilent 3070 test systems can peacefully coexist. Board tests can be developed using either platform, and the resulting tests can be run in production on either a Windows or UNIX system with no conversion step.* Production engineers can modify testplans, edit tests, and compile on either platform. Windows-based platforms can be introduced gradually, one at a time, with no more thought than it takes to add another UNIX-based Agilent 3070 today.

Built for outsourcing

The Windows-based Agilent 3070 accommodates an outsourcing business model with the Agilent 3070 Outsource Series. This is true freedom of choice, giving you the option to decide how, when and where you bring Windows-based test into your manufacturing environment:

- **Outsource Series development system**—Test developers who need both development and production capabilities can now get a specialized system for creating, debugging and running tests. Built specifically for end-to-end test environments, this pre-configured test system combines the ControlXTP Card with Agilent automatic program generation tools coded into the system software.
- **Outsource Series production system**—Production environments that need to run tests that were developed elsewhere can now get a low-cost pre-configured system with run-time-only versions of Agilent 3070 software.

** It is recommend that tests be developed to completion on either a Windows or UNIX platform. However, if absolutely necessary, platforms can be switched during test development with a one-button conversion step.*

Constant software updates from Agilent ensure that this system stays current, so production teams always have the right set of features to run whatever tests they receive, regardless of who develops them, whether an OEM or a third party.

- **Pay-per-use**—Development teams that don’t do production, or production teams that need a low entry cost, now have pay-as-you-go flexibility. The Agilent 3070 Pay-Per-Use Test System is ideal for contract manufacturers or distributed environments that need to cross-charge test to a specific project, customer or department. It allows you to purchase our most powerful test system at the price of an entry-level unpowered test system, and activate its ultra-high-end features only as needed, only when there is a contract to pay for them.

Mobile development

Agilent 3070 system software includes a full featured development-only version of the Agilent 3070 software, so you can develop tests anywhere your laptop goes—at home, on the road, at customer sites, or in a quiet corner of the office. Test development is no longer tied to the test floor. For laptop test development, the following minimum configuration is recommended:

- Operating System: Windows 2000, Windows NT 4.0, SP5, 7 or higher
- CPU: Pentium II, 450 MHz
- Memory: 128 MB
- Drives: CD-ROM Drive (reader, writer or DVD)
- NTFS formatted 2 GB disk

Freedom to upgrade

Any Agilent 3070 Series II or Series 3 UNIX system can be upgraded to a Windows controller. Depending on the age of the system, additional components may also need to be upgraded. Your system will need to have the following components or will need additional upgrades:

- Wide Pod
- ASRU-C
- ControlXTP or ControlXT Card
- Series 3 Monitor

Existing UNIX programs can be quickly converted to the Windows platform using the Conversion Tool that ships with all Windows-based Agilent 3070s.

Specifications: IPC Controller

- 8-Slot PCI Card Cage (3 slots available)
- 2.4 GHz Pentium 4 Processor
- 80GB IDE Hard Drive
- 512 MB DDR Ram
- 3.5" Floppy Drive
- DVD+RW/CD-RW Drive
- 2 RS232 Ports (0 available)
- 1 EPP Printer Port
- 4 USB 2.0 Ports (4 available)

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