



## Technical Information

« With PC-Doctor Network Factory, you can audit test results and share diagnostics and system information across all groups for warranty cost reduction in all phases of the PC life cycle »

**PC-Doctor Network Factory is a networked diagnostic testing system with centralized management and database results storage. Test results can be analyzed to reveal failure trends. With PC-Doctor Network Factory, you can audit test results and share diagnostics and system information across all groups for warranty cost reduction in all phases of the PC life cycle. An extensive array of features meets the needs of PC and component manufacturers and repair centers, including Return Material Authorization (RMA) service providers, system builders, contract manufacturers, original design manufacturers, component vendors, and systems integrators.**

## Four Major Elements

### Server Software

The server software provides for management of the testing process. It interacts with all UUTs and the results database to track the progress of testing and collect results.

### SQL Compliant Database

This database stores all test results and system information reports. The database can be used to provide an audit trail, and to perform trend analysis to increase productivity and reduce costs. PC-Doctor Network Factory 5 contains several pre-defined reports, which can be used to easily create custom reports. The SQL-compliant database can also be integrated into external applications using standard ODBC connectivity.

### Unit Under Test (UUT)

The UUT software consists of PC-Doctor hardware diagnostic test modules, system information modules, and modules that provide scripting capabilities and connectivity to the server.

### Monitoring Console

The Monitoring Console can be accessed with several of the most popular standard web browsers

(Internet Explorer 6, and Firefox 1.0) and accessible anywhere the server can be accessed using a web browser. It allows users to manage the testing process, track testing progress, and create reports of test results. The Monitoring Console requires user login, and user permissions can be set to include various privileges, from tester to management to administrator. The Monitoring Console includes features such as the Progress Monitor, which provides real-time test progress information, and Reports, which provides standard and custom reports containing test results and system information. Additional features include the Script Editor, User Management, Inventory Selection and Database Administration.

## Supported Operating Systems

### Server

- Windows 2003 Server
- Windows 2000 Server
- with SP4
- Windows XP Pro

### UUT

- Windows XP
- Windows PE
- Windows 2000
- Linux kernel 2.6
- Linux kernel 2.4

### Monitoring Console

- Any standard OS running a Web browser such as Firefox 1.0, or Internet Explorer 6 (or later)

## Features and Benefits

### Direct System Information™

- Provides accurate details about the hardware attached to each system
- Ensures that each system is built to exact specifications

### Inventory Functionality

- Provides the capability to compare UUTs to a specific build standard

### Tests Multiple Components Simultaneously

- Reduces overall test time

- Improves test thoroughness by increasing stress on components

### **Fully Customized Test Scripts and Reports**

- Maximum flexibility to meet changing test and reporting requirements

### **Integrates External Applications and Test Routines**

- Allows non-programmers to extend test coverage and perform related tasks within a unified framework

### **Field Replaceable Unit (FRU) Information on Test Failures**

- Speeds parts replacement
- Permits trend analysis down to the parts level

### **Single Monitoring Console Manages Multiple UUTs**

- Improved efficiencies
- Reduced equipment and labor costs

### **SQL-Compliant, Industry-Standard Database**

- Reliable and accessible data management
- Can be customized or extended by the user
- Provides the benefits of database information storage and retrieval

### **Pilot Test Mode**

- Allows new products, processes and software to be tested without affecting production results
- Reduces hardware investment by eliminating need for both a test network and a production network

### **Web-based Monitoring Console**

- No software to install on monitoring stations
- Easy to use, intuitive interface
- Tests can be monitored from anywhere on the network

### **Scripts for UUTs on Multiple Platforms (Windows, Windows PE, Linux)**

- Maximizes test coverage
- Shortens the learning curve
- Increases productivity

### **XML-based Inputs and Outputs**

- Makes it easier to integrate PC-Doctor Network Factory 5 with existing processes
- Leverages industry-standard compatibility for data exchange

### **Diskless and Headless Support**

- Works with a wide variety of system types from standard PCs, notebooks and tablets to servers, network appliances, and embedded devices

### **Open Database Connectivity (ODBC) Test Result Accessibility**

- Leverages existing enterprise-strength database applications such as MySQL, Oracle, SAP, Informix, DB2, and SQL Server
- Failure data can be correlated throughout the enterprise—from incoming parts inspection to manufacturing, from technical support to service

### **Scalability**

- Agility to meet growing and changing business needs without additional investment

### **Sales and Service Contacts**

For pre-sales inquiries and additional product information, e-mail [nf5.sales@pc-doctor.com](mailto:nf5.sales@pc-doctor.com)

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9805 Double R Blvd.  
Reno, Nevada 89521

775-336-4000  
[www.pc-doctor.com](http://www.pc-doctor.com)