



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 system 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 in both device hardware and testing processes. With 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 system life cycle. An extensive array of features meets the needs of x86 systems, Android devices and component OEMs, repair centers, including Return Material Authorization (RMA) service providers, system builders, contract manufacturers, original design manufacturers (ODMs), component vendors, and systems integrators.

Product Elements

Server Software

The server software provides for management and reporting of the testing process. It interacts with all UUTs (Units Under Test) and the results database to track the progress of testing and collect test results and system information.

SQL Compliant Database

The database stores all test results and system information for every UUT. The database can be used to provide an audit trail, and to perform trend analysis to increase productivity and reduce costs. Network Factory 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 or databases 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 is accessed using a Firefox or Internet Explorer web browser making it accessible from any location with access to the server. It allows users to manage and track testing progress, as well as view reports from test results. The Monitoring Console supports multiple login level privileges from tester, to management, to administrator. The Monitoring Console includes features such as the Progress Monitor, providing real-time test progress information, Reports, providing standard and custom reports containing test results and detailed system information. Additional features include the Script Editor, User Management, Inventory and Parts setup and Database Administration.

Supported Operating Systems

Server Software

Windows 2003 Server
Windows 2008 Server

UUT

Windows XP and above
Windows 2003 Server and above
Windows PE 2.x and above
Linux kernel 2.6 and above
Android 3.x and above

Features and Benefits

Direct System Information™

Provides accurate details about the hardware attached to each system

Inventory and Parts Feature

Provides the capability to compare system to a BOM or specific build specification

Tests Multiple Components Simultaneously

Reduces overall test time and improves test thoroughness by increasing stress on each system

Fully Customizable Test Scripts and Reports

Maximum flexibility to meet changing testing and reporting requirements

Integrates External Applications and Test Routines

Middleware provides for integrating other tests and routines within a unified framework of testing

Field Replaceable Unit (FRU) Information on Component Failures

Speeds parts replacement and permits trend analysis down to the parts level

Single Monitoring Console Manages Multiple UUTs

Improved process efficiency and visibility to testing process

SQL-Compliant, Industry-Standard Database

Provides reliable and accessible data management; easily expandable to common back-end tools.

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

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

Maximizes test coverage
Increases productivity

XML-based Inputs and Outputs

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

Broad System Hardware 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-level database applications such as MySQL, Oracle, SAP, Informix, DB2, and SQL Server
Test results and system information data can be correlated throughout the enterprise—from incoming parts inspection to manufacturing, from technical support to service. This offers unparalleled visibility into the full system or device lifecycle.

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 nf.sales@pc-doctor.com

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