QualityLogic®
Putting Technology to the Test

PageSense® 7

Printer and MFP Performance Test System for Windows® 7, Windows Vista and Windows XP

Features

Automated printer/driver performance testing

Support for ISO printer and digital copier performance standards

Semi-automated copy, fax, scan, 'print from anywhere' testing

Intelligent sensor captures timing

Supports internal and external duplexing

Measures file size, data transfer rate, pages transferred per second, overall elapsed spool time

Automated data collection, reporting and illustration

Modify repeat and copy count of files

Customize reports

Supports 26 of the latest, most popular applications

Benefits

Accurate, repeatable

Standardized for comparisons

Isolates problems to driver or printer

Saves time and money

Easily accommodates your test files

Remote testing via network

PageSense revolutionized printer and multifunction peripheral performance measurement with automated, accurate, standardized testing. Now PageSense 7 supports Windows 7 and the latest applications.

For years, leading printer manufacturers, including Canon®, HP®, Lexmark® and Xerox®, and industry publications, such as *PC Magazine*, have used PageSense to automate performance testing and provide directly comparable results between printers. PageSense is also the standard, accurate approach to MFP performance testing with support for scan, copy and fax features.

Overview

PageSense offers six performance test modes:

Print from PageSense: PageSense provides application test files and an automated process for printing and recording time measurements using a sensor unit. Accurate performance data is automatically logged into a database and can be displayed graphically for comparison. This method of testing a printer and driver simulates actual user experiences with printer performance, measuring how fast an application returns and how long it takes to print a page.

Print from PageSense measures the interval from the time the **OK** button is clicked in the print dialog to the moment the last page enters the printer's output bin.

Print from Anywhere: This semi-automated test remotely monitors print performance from platforms not currently supported by PageSense, such as standalone photo printers, Mac OS® or Linux®. A remote triggering device starts the PageSense timer simultaneously with the remote start of print. PageSense captures and calculates the timing measurement the moment the last page is released to the printer's output bin.

Copy: This semi-automated test remotely monitors copy performance from an MFP or copier. The remote trigger device automatically starts the PageSense timer when you manually push the Copy button on the MFP. Output is detected by the sensor, and performance is captured and reported.

Fax: This test measures the time it takes to print a fax at the MFP. The fax is sent to the MFP, and the output is detected via the PageSense sensor. *Fax* uses the remote trigger to start the PageSense timer.

Scan: This test measures the time required to scan a document and send it to the PageSense test PC. Time to completion and size of the file are captured. The remote trigger automatically starts the PageSense timer when you manually start the scan to send a file to the MFP. The sensor is not used.

Binary Print Utility (BPU): The BPU is an independent application that prints captured files, eliminating the need to launch and run the supported applications. PageSense can create and send captured files directly to the printer, monitoring the amount of data sent in relation to elapsed time, and measuring the elapsed time to print the output.

Performance Test Files

PageSense test files are specifically designed for performance testing. They are categorized as simple, moderate and complex, with

extensive use of text formatting, graphics, images, color and multi-page design elements. We've added more complex files and files of several hundred pages to address the faster and more powerful printers on the market today.

ISO 12640:1997 image files are bundled with PageSense. Each of eight images in three color spaces - 300 dpi monochrome, RGB and CMYK - can be printed using Photoshop. We have created some of our own test pages to provide you with a complete photo suite.

PageSense supports 32- and 64-bit Windows XP, Windows Vista and Windows 7.

PageSense Applications

Adobe®:
- Acrobat 9, X (beta)
- Illustrator CS4, CS5
- InDesign CS4, CS5
- Photoshop CS4, CS5

Corel® CorelDRAW! x4

Quark® QuarkXPress 8

Microsoft®:
- Access 2007, 2010
- Excel 2007, 2010
- Expression Design 3.0
- Internet Explorer 7, 8
- PowerPoint 2007, 2010
- Project 2007
- Publisher 2007, 2010
- Visio 2007, 2010
- Word 2007, 2010

TestComplete® Scripts

AutomatedQA® TestComplete 7 runs test scripts that manage the print, copy, fax and scan tests. Printer testing is completely automated from application launch to data logging. Other functions require limited manual intervention to initiate timing.

PageSense 7 includes test scripts for all test files specified by ISO 24734 and 24735.

Comprehensive Reporting

PageSense uses Microsoft Excel Pivot Tables to provide a wide range of reports that you can easily customize. All test data is stored in a single worksheet, so creating new reports is a snap. A spooler monitor reports file size, data transfer rates and elapsed spool time so you can isolate any performance problems to the driver or the printer.

PageSense creates ISO-style test reports via an ISO Report option, which generates ISO 24734/24735-style reports only if the test data meet the ISO criteria. If the criteria are not met, the test must be repeated as outlined in the ISO standards before an ISO Report can be generated.

Automatic, Accurate Timing

PageSense's sensing unit detects paper eject events. For each event, a time stamp is transmitted to the system, ensuring the accuracy of timing and minimizing system overhead. PageSense supports duplexers that externally flip the page, as well as internal duplexing. Stand-alone Paper Sensor support allows your to integrate the sensor into your own software and measure paper sensor events. PageSense reduces your MFP performance test cycle time dramatically.

System Requirements

CPU: Dual-Core, 2GHz;

Memory: 2GB

Ports: 1 available Serial (COM) port;
1 USB port if using the remote trigger device;
1 Parallel (PTO1 or 2) or USB port, depending on printer connection

Display: VGA graphic card and display (256MB memory with 256-bit color minimum for some applications); screen resolution: 1024x768 or higher

OS: Windows XP Professional Edition, Windows Vista, or Windows 7

Storage: 160 GB hard drive with 15GB free space (more space is required for applications to be installed)

Simpler applications and the less complex files will run reliably on slower processors with less memory

Network Connectivity: A Serial-to-Ethernet adapter allows network connection of the sensor for remote testing.

For more information, contact us at tools@qualitylogic.com, or call 800 436-6292 (US toll free) or +1 805 531-9030.

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