

Canon



GRAPHIC ARTS SOLUTIONS



 **imagePRESS™
SERVER Q1**

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imagePRESS Server Q1



A NEW ERA IN COLOR

As color has become more prevalent in corporate offices, the demand on graphic arts and production color environments to produce accurate and stable color has become the norm. The imagePRESS Server Q1 device complements a new era in color as a robust color server for the imagePRESS C1 digital print system. Built on Microsoft® Windows® XPe Platform with an Intel® Pentium® 4 3.2 GHz processor, 1GB of RAM, and a 160GB hard drive, the imagePRESS Server Q1 device is powerful by design to meet those growing color demands. In the world of increasingly short turnaround times, this imagePRESS server, coupled with an imagePRESS C1 digital print system, produces high-quality, consistent prints, without the expensive make-ready.

HIGH-END COLOR FOR DISCERNING QUALITY

Today, color cannot just be good enough, it must be perfect. With the imagePRESS Server Q1 device, ColorWise color management gives you a suite of tools to ensure that color is precise and predictable for every proof and every job.

As part of ColorWise Pro Tools, Profile Manager allows you to load in a profile for any printing process you work with—lithography, flexography, gravure, and digital print processes. Once the profile is loaded, utilize the Color Setup feature to select any custom profile as well as color transformation options. With these robust color management tools, producing color no longer needs to be a never-ending process of modifying files. These color management features will enable you to closely match the colors you're trying to reproduce.

Standard on the imagePRESS server Q1 is the Graphic Arts Package, delivering features like Spot-On Color Matching to closely reproduce PANTONE® colors, auto trapping to ensure proper registration, and hot folders to eliminate the time-consuming tasks of configuring print settings for multiple jobs. With the optional Graphic Arts Package, Premium Edition, graphic arts professionals will benefit from more advanced tools when trying to achieve accurate color and the highest quality print. Features like ImageViewer add late-stage color editing capabilities before printing to make workflows more flexible. For further quality control, the Control Bar feature allows you to create or import color control bars to verify if densities and dot areas are within specification.

PROFESSIONAL PRINTING

The imagePRESS Server Q1 is the “big iron” of controllers. With the Mixed Media feature, you can produce complex documents that include different media substrates without any need for manual collation. This feature will pull substrates from the imagePRESS C1 device media sources that the user specifies. Not to mention, you can use simplex and duplex sheets in the same document.



imagePRESS Server Q1 shown with optional Furniture Stand and Advanced Controller Interface Kit

If a more visual presentation of page composition is required, the acquisition of the optional Production Printing Package is the perfect complement. The Compose feature allows a user to have a graphical representation of a document and the option of tagging pages to print on the substrate of your choice.

In addition to Compose, features such as Reorder Jobs, Job Mismatch, and the Paper Catalog will allow the production of print to be effortless and seamless. With the Reorder Jobs feature, you can control the processing and printing by reordering the job queue. Job Mismatch is a feature that detects if the correct substrate is loaded for a job. This will prevent jobs from printing on incorrect substrates and cut down on wasted materials. Lastly, the Paper Catalog offers benefits such as simplifying substrate selection and being able to apply custom color profiles to individual substrates.

Before a job is even sent to press, you can be confident that it will print correctly with the Preflight feature. To prevent printing problems, the Preflight feature performs a simple check of the most common areas of error to ensure the job will print successfully. This feature will check for missing fonts, spot colors and VDP resources; low-res images; hairlines that are too small to print; and PostScript® errors.

Booklet printing, a common application, is easy to perform right from the driver. Create professional booklets in letter, legal, and tabloid sizes. With the creep adjustment, images and text are correctly adjusted to create a flawless presentation—either let the driver make the correction for you or choose the option that lets you fine tune the creep to your exact preference.

DIGITAL FLEXIBILITY

The imagePRESS Server Q1 liberates you from paper. Even if a job begins as hard copy, the Fiery® Remote Scan will convert originals to high-quality digital images and text that may be printed and stored for repurposing. You can even launch Remote Scan as a stand-alone application right from your desktop. In addition, use it to scan hard copy and e-mail, or use it as a plug-in for applications such as Adobe® Photoshop® CS2.

PROTECTING INTELLECTUAL PROPERTY

In the information age, there's nothing more valuable than your digital assets. As quickly as technology has progressed, the security to protect one's intellectual property is extremely important. The imagePRESS Server Q1 will ensure that your most valuable assets are protected. With IP filtering, you can restrict imagePRESS Server Q1 access on the network. Never worry about information getting into the wrong hands with Secure Erase—with this feature, electronic data and latent file images are removed from the hard drive. With the secured printing feature, you can prevent unauthorized users from printing confidential documents by adding a password. For maximum security, a removable hard drive is also available. Never have a sleepless night worrying about your intellectual property with these security features protecting you.

A LEAP FORWARD

The imagePRESS Server Q1 is the choice for high-end graphic arts applications. With professional capabilities, you won't have to turn away any job. The Canon solution provides high productivity along with the color matching and accuracy that's expected in the graphic arts industry. In addition to being able to quickly turn jobs around and produce proofs, you'll now have variable data print capabilities, an important value-added service. And it's from Canon, the name to trust for high-end digital imaging solutions.



SPECIFICATIONS

Hardware

- Canon imagePRESS Server Q1 Motherboard
 - Intel® Pentium®4 @ 3.2GHz
 - 1GB SDRAM
 - 800 MHz System Bus (Front Side Bus)
- 160GB Hard Disk
- DVD & Optional Removable HDD

Document Printing Features

- RIP-While-Print®
- Continuous Print
- Reverse Order Printing
- Electronic Collation
- Save Fast Reprint
- Document Full-Screen Preview, Job Merging, and Editing
- Error-Free Printing
- Auto Duplexing Support
- Archiving
- Load Balancing
- Image Shift
- Schedule Printing
- Booklet Maker
- Transparency Interleaving
- Slip-Sheeting
- Media Server
- Tray Alignment
- Custom Page Sizes
- PDF Editing with PitStop Software
- E-mail Job Submission
- PPML Support
- Cover Mode
- Face-Down Delivery
- Mix Media Support

Networking/Connectivity

- Simultaneous Auto-Switching Protocols:
 - EtherTalk®, TCP/IP, Novell® IPX/SPX™, Ethernet 11 and SNAP Frame-types, Novell NDS® compliant
- LDAP Support
- Autosensing Ports
 - RJ-45
- 10/100/1000Base-T Standard Support
- Peer-to-Peer Window Printing
- Automatic IP Configuration
- IPP 1.1 (Internet Print Protocol)
- Port 9100 Support
- Canon NDPS Gateway

Page Description

- Adobe PostScript® 3™

Language/Fonts

- PDF Printing (PDF 1.6)
- 136 Adobe Type 1 Roman PostScript Scalable Fonts

Resolution

- Continuous-Tone at an Appearance of 1200 x 1200 dpi at All Page Sizes Supported by the Copier

Scanning

- Fiery® Scan and Fiery Remote Scan 5.3 (RDF Support) TWAIN compliant plug-in module for Adobe Photoshop® (Macintosh® and Windows®)
- Fiery Remote Scan Stand-Alone Application (Mac/PC)
- Capable of Scanning Up to Tabloid size at 600 x 600 dpi
- Scan-to-E-mail
- Scan-to-Command WorkStation
- Scan-to-Mail Box
- Scan-to-Disk
- Scan-to-FTP
- Scan-to-Internet/Fax

Utilities

- WebTools™
- Fiery Scan and Fiery Remote Scan 5.3
- Fiery Freeform
- Fiery Downloader
- Fiery Spooler
- Job Log
- Fiery Driver (with Automatic Configurator)
- Command WorkStation Software Kit
- Command WorkStation 4.6
- Member Printing
- EFI Job Monitor

Security

- IP Filtering
- Port Filtering
- Secure Erase
- Removable Hard Drive (Optional)

Color Management

ColorWise 3.7

- Color Rendering Dictionaries
 - Photo
 - Presentation
 - Absolute Colorimetric
 - Relative Colorimetric
- ColorWise Pro Tools
 - Fiery Print Calibrator – Easier Calibration
 - Color Editor – Customizing Curves
 - Profile Manager – Supporting ICC Profiles and Device Links
 - Color Setup – Default Color Settings
- Color Charts and Reference Pages
- RGB Separation

- Spot Color Management – PANTONE® Calibrated
- Trapping and Overprinting
- Automatic Black Overprinting
- Independent RGB, PANTONE, and CMYK Controls
- Pure Black Text/Graphics
- Gray Component Replacement (GCR) Control
- Spot Color in PDF
- Image Smoothing
- Mac OS X Support

Graphic Arts Package (Standard)

- Halftone Screening
- Hot Folders
- Spot-On
- Auto Trapping
- TIFF/IT Support
- Paper Simulation
- Multiple Plate Separation
- Soft Proofing

Press Simulation

- Quick Simulation – Adjusts Toner Density
- Full Simulation – Adjusts Toner Density and Hue
- Full Simulation with GCR
- Support for SWOP, Euroscale, DIC Printing Standards and Others through ICC Profiles
- Support for Custom Simulation Targets
- Simulation on a Per-Job Basis

Calibration

- Default calibration for Great Out-of-the-Box Color
- ColorCal
- AutoCal 2
- Fiery Print Calibrator
- Auto Gray
- PostRaster Calibration

Memory Management

- ECT compression (Off Support)

Graphic Arts Package, Premium Edition (optional)

- Paper Simulation and White Point Editing
- Spot-On: Color Substitution
- Spot-On: Two-Color Print Mapping
- Control Bar
- Progressives
- Halftone Screening
- ImageViewer
- Preflight
- Hot Folders File Filters
- Multiple Plate Separations
- Fixed Paper Simulation

Production Printing Package (Optional)

- Compose
- Paper Catalog
- Preflight
- Reorder Jobs
- Job Mismatch
- Schedule Printing
- Insert Tabs
- Quick Doc Merge
- Hot Folders

Impose V2.6 (Optional)

- Create/Save Imposed Jobs in PDF Format
- New Gang-Up styles
- User Preference for Default Scaling Factor
- User Preference for PS to PDF Conversion
- Sheet's None-Printable Area Preview
- Delivery Options
- Front/Back Cover Printing Settings
- Mixed Media Definition
- Acrobat® 7.0 Support
- Support for Booklet Maker
- Insert Custom Text for Blank Pages

Optional Hardware/Software

- Advanced Controller Interface Kit
 - Flat-Screen Monitor
 - Keyboard and Mouse
- Graphic Arts Package, Premium Edition
- Production Printing Package
- Impose V2.6
- 1GB Memory Option

Power Supply

- Auto-switching 90-135/180-265 Vac, 47-63Hz
- 350W

Power Consumption

- 6A @ 115 Vac

Dimension (H x W x D)

- 23.75" x 23.75" x 17.75"
(603.25mm x 603.25mm x 450.85mm)

Weight

- 45 lb. (24.95kg)

Specifications are preliminary and subject to change.

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