Benchmark power, quality and control for continuous feed inkjet workflows.

The Xerox FreeFlow Print Server for Xerox Impika Inkjet Presses is a fully featured graphic communications print server optimized for high volume, high complexity continuous feed inkjet printing.

The FreeFlow Print Server for Xerox Impika Inkjet Presses continues the FreeFlow legacy by delivering the perfect blend of performance and quality while maintaining a commitment to industry standards. The FreeFlow Print Server supports both PDF and IPDS printing along with native JDF/JMF support, providing seamless integration into your print manufacturing process.

Performance.

The FreeFlow Print Server was built to be flexible and scalable. You can choose the number of servers that are dedicated to RIPping jobs for print. The Base configuration of four RIP servers is suitable for most transactional documents, while the Peak configuration of 14 RIP servers is built to handle the more complex documents associated with graphics communications jobs.

Quality.

The FreeFlow Printer Server offers state-of-the-art color management controls to deliver consistency within a run, between printers and to industry color standards. Patented color calibration technology helps you deliver the best quality output. Base color management capabilities include spot color management and editing as well as color profiling. Advanced color management controls allow you to make unique decisions at any time within a job.

Simplicity.

The intuitive, easy to use interface is the result of years of development and refinement. Assess job status and monitor your workflow at a glance with a highly graphical display that includes print configuration, toner level and network status, among others.

Plus, you can easily configure and customize the interface to focus on what you use most often—including shortcuts that provide one-touch ease of use.

Better integration.

JDF/JMF is the print industry standard for information exchange between systems. Simply put, JDF describes a job from conception through delivery. The Xerox FreeFlow Print Server includes a native JDF/JMF gateway that allows the Impika Inkjet Press to accept and share information about jobs as they are processed. Standardizing the exchange of data leads to better information availability, which leads to better operational decisions so you can work smarter, not harder.

Better security.

Information security is at the forefront of current concerns, which is why the FreeFlow Print Server security model is so robust. Security features span the operating system level to the user interface, including specific encryption algorithms, data overwrite procedures and configurable and customizable user permission models. You and your customers can rest assured that your data is safe with FreeFlow Print Server.

FreeFlow® Print Server

Hardware/Platforms (Duplex Configuration)

- Application Server: 1
- RIP Servers: 4-14 (24 to 84 RIPs)
- Video Servers: 6
- ConfidentColor Technology
- Easy-to-expert color management tools
  – Simple UI color management controls
  – Intuitive Spot Color Editor
  – Robust TRC Editor
- ICC and DeviceLink workflow support
- Rendering intent selection by color space and object type
- Optimized RGB and spot-color emulation
- PANTONE® licensed and spot-color matching
- PANTONE PMS and PANTONE Goe™ support
- Color Emulations: GRACoL®, SWOP®, Fogra and Japan Color
- Support of color management callouts from AFP/IPDS™ data streams

Productivity and Work

- Parallel RIP architecture processes multiple pages simultaneously; advanced caching technology RIP across all servers
- Full concurrency delivers simultaneous receiving, selecting, processing and printing of jobs
- Adobe® PDF Print Engine
- Supports Live Transparency with spot colors
- Adobe®-certified rendering
- Native JDF/JMF for job submission, tracking and workflow integration
- FreeFlow Remote Print Server enables remote system management
- Edge Enhancement refines text
- System Backup and Restore
- Configuration Backup and Restore
- Cloud-based Ink Estimation

Connectivity and Client Support

- Adobe PostScript® Printer Descriptions (PPD)
- Native JDF/JMF
- HTTP and HTTPS browser submission
- IPP job submission and system status
- TCP/IP: Support for IPv4 and IPv6 dual mode
- LP/LPR and socket submission
- DHCP

Data Streams

- Adobe® PostScript® (must be DSC-compliant) Adobe Acrobat® 9.0, PDF 1.7, PDF/X 1a, 3, 4
- Native IPDS rendering
- Xerox VIPP®

Security Features

- Four system security profiles
- Fully customizable user security profiles:
  – Independently enable/disable protocols
  – Optional encryption algorithm settings
  – Enable/disable USB storage devices
  – Enable/disable CD/DVD writing
- Encrypted job submission modes
- Secure Socket Layer (SSL)
  – SHA 256/512 Encryption
- IPSec Network Encryption
  – 3DES Block and SHA1 Encryption
- Address access filtering
- Customized Access Control for job management features (PCI and PII compliance)
- Strong password configuration and password expiration configuration
- SNMPv3 security configuration tool
- IPSec Security configuration tool

Dimensions/Weight

- Physical Rack System Measurements (all Peak configurations):
  – Height – 78.7" (199.8 cm)
  – Width – 23.6" (60 cm)
  – Depth – 47.2" (120 cm)
- DFE Configuration Weight Estimates:
  – Simplex – 865 lb (363 kg)
  – Duplex – 1,293 lb (585 kg)
- Normal Rack Weight and Space Requirements:
  – Maintenance access requirement for rear and from top: 36" (91.4 cm)
- Air flow requirement for left and right sides:
  – None (front-to-back cooling)

Power

- Total maximum Voltage – 220 VAC
- Current:
  – Simplex – 45 Amps
  – Duplex – 88 Amps
- Power:
  – Simplex – 9.9 kW/hr
  – Duplex – 19.4 kW/hr

Memory/Capacity/Cache

- Application Server:
  – DVD+/-RW SATA based drive
  – 1x 300 GB 10K RPM 2.5 in. SAS Hard Drive
  – 16 GB RAM
- RIP Server:
  – 1x 300 GB 10K RPM 2.5 in. SAS Hard Drive
  – 32 GB RAM
- Video Server:
  – 1x 300 GB 10K RPM 2.5 in. SAS Hard Drive
  – 32 GB RAM

Environmental Requirements

- Air Quality
- Particulate Matter (Ambient Air)
  – Less than 1 mg/m3
- Matti Spec: EHS-707 (Audible Noise Limits)
- Maximum levels are as follows:
  – Standby 63 dBA
  – Continuous 68 dBA
  – Impulse 76 dBA
- Room Temperature: 60–85˚F (15.6–29.4˚C)
- Room Humidity: 20–80%

Regulatory Agency Approval

Meets or exceeds the following requirements:
- Safety—UL 1950, CSA C22.2 No. 950
- TUV EN 60950
- RFI/EMI—FCC Class A, DOC Class A
- EN 55022 Class A, EN 61000-3-2
- Immunity—EN 50082-1
- CE Mark

Includes:

Adobe® PDF Normalizer
Adobe® PDFtoPS Library
Adobe® CPSI (previewer)
Adobe® PDF Print Engine
Adobe® PostScript® 3017.102 OEM Source
Adobe® PostScript Fonts
Monotype® Imaging Fonts
Adobe® PDF Library
Adobe® Japanese Fonts

Adobe® PDF/VT explained:

PDF/VT (VT = Variable Transactional) is a newer PDF standard from Adobe that makes it easier to represent and ultimately print documents that contain variable content. This standard is an extension to the current PDF standard which is rapidly becoming the dominant page description language in the marketplace due to its portability and advanced feature set with respect to complex graphics.

What does this mean to you? As software and workflow solutions begin to adapt to and implement this standard, so to must your printers. Xerox and Adobe have been working together for more than 20 years. Xerox® FreeFlow® Print Servers are all Adobe certified and implement the latest version of the Adobe® PDF Print Engine® so you can be confident that your job is printed exactly as it was designed to look every time.

Visit www.xerox.com for more information.

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