The Xerox® FreeFlow® Print Server for Xerox® CiPress® 500/325 Production Inkjet System
Everything You Need for High-Volume Printing

The Xerox® FreeFlow Print Server for CiPress® is built upon industry-standard architecture that you can seamlessly integrate into your current workflow, providing an open-solutions platform for Automated Document Factory (ADF) environments.

Keep your workflow. Tap our expertise.

Open architecture allows you to work with proven, industry-standard interfaces – giving you access to data that helps you track and measure productivity to optimise your workflow. You can easily manage and maintain both cut-sheet and continuous-feed workflows, with reliability and proven performance that effortlessly handles even your most complex jobs.

Exciting New Capabilities

A scalable RIP allows you to match your data complexity and printer speed. Parallel RIPing across multiple computers optimises your print server to perform at rated speeds. The FreeFlow Print Server natively supports Job Messaging Format (JMF) for easy integration with today's demanding print workflows.

More Options for Maximum Flexibility

There are three print server hardware configurations (Base, Upgraded and Peak) for you to choose from to give you more flexibility, all at rated speeds. Choose the print server configuration that will optimise performance for your workflow – then easily reconfigure it to meet your performance requirements as your workload evolves.

The Benefits You Need to Succeed

- **Integration:** Two-way communication enables a complete end-to-end, closed-loop solution. IntegratedPLUS solutions from Xerox software partners help ensure that your systems work together seamlessly.
- **Productivity:** The scalable RIP helps you produce more jobs, while native data-stream support eliminates time-consuming data transformations.
- **Flexibility:** Supports native data streams such as IPDS™, PDF, PostScript®, and Xerox® VIPP®. Industry-standard interfaces let you integrate and communicate with many different software options.
- **Colour consistency:** Xerox® ConfidentColour Technology gives you reliable, predictable and consistent performance across all data streams.

The Xerox® FreeFlow® Print Server for Xerox® CiPress® 500/325 Production Inkjet System Specifications

Hardware/Platforms (Duplex Configuration)

- Application Server: 1
- RIP Servers: 6, 10 or 14 (36 to 84 RIPs)
- Video Servers: 6

ConfidentColour Technology

- Easy-to-expert colour management tools
  - Simple UI colour management controls
  - Intuitive Spot Colour Editor
  - Robust TRC Editor
- ICC and DeviceLink workflow support
- Rendering intent selection by colour space and object type
- Optimised RGB and spot-colour emulation
- PANTONE® licensed and spot-colour matching
- PANTONE PMS and PANTONE Goe™ support
- Colour Emulations:
  - GRACoL®, SWOP®, Fogra and Japan Colour
- Support of colour management callouts from AFP/IPDS™ data streams

Productivity and Workflow

- 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 colours
- 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

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 customisable 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
- Customised 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 – 199.8 cm
- Width – 60 cm
- Depth – 120 cm

DFE Configuration Weight Estimates:

- Simplex – 363 kg
- Duplex – 585 kg

Normal Rack Weight and Space Requirements:

- Maintenance access requirement for rear and from top: 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" SAS Hard Drive
  - 16 GB RAM
- RIP Server:
  - 1x 300 GB 10K RPM 2.5" SAS Hard Drive
  - 32 GB RAM
- Video Server:
  - 1x 300 GB 10K RPM 2.5" SAS Hard Drive
  - 32 GB RAM

Environmental Requirements

- Air Quality
  - Particulate Matter (Ambient Air)
  - Less than 1 mg/m^3
- Matti Spec: EHS-707 (Audible Noise Limits) Maximum levels are as follows:
  - Standby 63 dBA
  - Continuous 68 dBA
  - Impulse 76 dBA
- Room Temperature: 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

(All specifications are documented per engine unless otherwise noted.)

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