The Xerox® FreeFlow® Print Server for Xerox® CiPress™ 500 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. You'll have the confidence that comes with FreeFlow—with the power, productivity, and flexibility to meet your most challenging Service Level Agreements (SLA).

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 optimize 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 optimizes 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 optimize 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.
- **Color consistency:** Xerox® ConfidentColor Technology gives you reliable, predictable and consistent performance across all data streams.

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

Hardware/Platforms (duplex configuration)

- Application Server: 1
- RIP Servers: 6, 10 or 14 (36 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 Goe support
- Color Emulations:
  - GRACoL, SWOP, Fogra and Japan Color
- Support of color management callouts from AFP/IPDS data streams

Productivity and Workflow

- Parallel RIP architecture processes multiple pages
- 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

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
- 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 in. (199.8 cm)
- Width – 23.6 in. (60 cm)
- Depth – 47.2 in. (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 in. (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
  - 2x 300 GB 10K RPM 2.5" SAS Hard Drive
  - 12 GB RAM
- RIP Server:
  - 6x 300 GB 10K RPM 2.5" SAS Hard Drive
  - 24 GB RAM
- Video Server:
  - 1x 500 GB 7200 RPM 2.5" SATA Hard Drive
  - 36 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

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