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


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

## An open solutions platform for Automated Document Factory environments

xerox®

# Unparalleled performance and productivity.

**The Xerox® FreeFlow Print Server for the Xerox® CiPress™ 500 Production Inkjet System is built upon an open architecture that will seamlessly integrate into your current workflow providing an integral piece to 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 (SLAs). And as your business grows, the FreeFlow Print Server's dynamic performance features deliver the power you need to support additional print manufacturing demands.

## Optimize your current workflow.

**Your workflow.** It's still business as usual: yours. The FreeFlow Print Server's open architecture allows you to integrate seamlessly with print manufacturing components from industry-leading suppliers—this means you reduce your cost by leveraging existing workflow components.

## Build print manufacturing efficiency with proven technology.

As a pioneer in digital transaction printing and workflow, and the leader in cut sheet transaction printing, we've spent decades building production controllers to meet your needs. The FreeFlow Print Server platform is a proven technology helping tens of thousands of customers with their unique digital printing needs. And now, the power of this new open solutions platform has been perfected for ADF environments and for the new continuous feed technology from Xerox: the Xerox® CiPress™ 500 Production Inkjet System.

## The power to produce more jobs.

In its peak configuration, the scalable FreeFlow Print Server delivers:

- 14 RIP Servers with the ability to RIP pages simultaneously
- 12 data connections, a Gbit each, to the CiPress™
- 336 GB of RAM for processing jobs
- 25 TB of job spooling storage

What does this mean to you? The FreeFlow Print Server for the CiPress™ can deliver the most demanding transactional documents at speeds faster than the CiPress™ can print them. You maintain productivity without clutching throughout even your most complex print run.

## Reduce costs while increasing visibility to your print production.

The FreeFlow Print Server natively supports Job Messaging Format (JMF) and enhanced Job Definition Format (JDF) to facilitate communications and integration between critical workflow components to optimize your ADF efficiency. This real-time communication enables you to fully automate your document workflows, reduces labor costs, and increases visibility to the status of every job. Enhanced information from the printer leads to optimal job scheduling and overall shop efficiency.

## Customize to fit your needs.

Select the right amount of power for your unique processing requirements and add even more as your business needs expand. Scalable, parallel RIPping across multiple integrated computers optimizes your print server to perform at peak speeds. And with integrated caching technology, you can produce and stream jobs with maximum productivity for even the most complex business demands.

There are three print server hardware configurations for you to choose from, to give you more flexibility— and maximum print productivity:

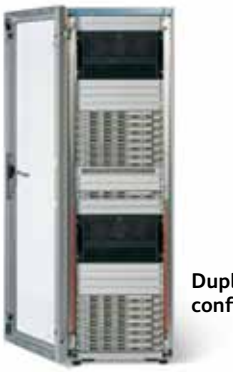
**Base:** 3 RIP servers per print engine for standard-complexity jobs, such as simple text and shell replacement.

**Upgraded:** 5 RIP servers per print engine for higher-complexity jobs, including graphics.


**Peak:** 7 RIP servers per print engine for your highest-complexity transactional printing jobs.

**Meets your needs today and tomorrow.** Now you have the flexibility to specify the print server configuration that will optimize performance for your workflow—then easily reconfigure it to meet your performance requirements as your workload evolves.

**Simplex configuration**



**Duplex configuration**

## Get the advantages your operation demands.

**Seamless Integration.** Two-way communication utilizes the strengths of each component of your system for a complete end-to-end, closed-loop solution. Full PDL support for IPDS®, PDF, PostScript®, and Xerox® VIPP® ensures your CiPress™ will be productive across a wide variety of document formats. The FreeFlow Print Server platform can also drive your cut-sheet devices. Workload can easily be shared across printers to deliver increased workflow capacity and efficiency. You have peace of mind knowing that your systems will work together seamlessly and at maximum efficiency—minimizing the time spent by your valuable resources doing workflow redesign, test, and validation.

**Consistent Color.** Xerox® ConfidentColor technology gives you reliable, predictable color performance across all data streams, resulting in the very best color consistency page to page, job to job and engine to engine with:

- Advanced, built-in color-management
- Object-based rendering intents
- Adobe® PDF Print Engine support
- PANTONE® Color Management System compatibility
- Spot Color Editor
- Single image path for all data streams

The FreeFlow Print Server delivers the color quality that will meet (and exceed) even your most demanding customers' expectations.

All this means that you don't have to radically change your print process to reap the advantages of CiPress™.

- Produce more transactional jobs
- Reduce your document manufacturing costs
- Delight your customers with consistent quality
- Be prepared to grow your business

# 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

**For more information, visit us online at www.xerox.com.**



XPIBR-03UB

610P730298B