

Xerox<sup>®</sup> Integrated Fiery<sup>®</sup> Color Server  
and  
Xerox EX Print Server, Powered by Fiery  
for the Xerox Color 550/560 Printer  
Customer Expectations Document



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Changes are periodically made to this document. Changes, technical inaccuracies, and typographic errors will be corrected in subsequent editions.

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## Introduction

The purpose of this document is to provide information about the capabilities and potential limitations of both the Xerox Integrated Fiery Color Server for the Xerox® Color 550/560 Printer and the Xerox EX Print Server, Powered by Fiery® for the Xerox® Color 550/560 Printer when connected to the Xerox Color 550/560 Printer. This document is a supplement to the Customer Expectations Document for the Xerox Color 550/560 Printer, and review of this material is mandatory prior to signing an order.

Please see the “Fiery Customer Release Notes” document for the Xerox Color 550/560 Printer for additional information and details concerning Adobe PDF Print Engine, and Fiery Server software usage tips.

### System startup

When powering up your Xerox Color 550/560 Printer system (both print engine and server), the print engine must be turned on first. This ensures that the print engine and server will synchronize correctly.

## System Core Software

The purpose of this document is to provide information about the capabilities and potential limitations of the core software for both the Xerox EX Print Server for the Xerox® Color 550/560 Printer and the Xerox EX Print Server, Powered by Fiery® for the Xerox® Color 550/560 Printer when connected to a Xerox® Color 550/560 Printer. Review of this material is mandatory prior to signing an order.

The chart on page 6 is a guide of hardware specifications matched to the Xerox® Color 550/560 Printer. Minor hardware variations within the model may occur as upgrades take place in the manufacturing process. Any difference in the delivered product will provide functional equivalence to the performance and feature set described herein.

## Support

Software and hardware support of your print server may vary in regions. Refer to the Terms and Conditions for definitions for software and/or hardware support.

## Surge Protection

Xerox recommends protecting the Xerox Fiery™ Print Servers from surges or spikes in electrical power that can damage the server and result in extended downtime. In areas that tend to experience brownouts or blackouts with more frequency, installation of an Uninterruptible Power Supply (UPS) is suggested. This protection is the responsibility of the customer.

A surge protector is strongly recommended for the network controller installation. This should be provided by the customer.

## Microsoft Windows Certificate of Authenticity (COA)

Microsoft XP Professional License is part of the Xerox EX Print Server. Every Xerox EX Print Server Xerox Fiery™ Print Server Xerox EX Print Server includes a “System Software” DVD, a “User Software” DVD and a “User Documentation” CD. It also includes an individual Windows XP for XP Professional Certificate of Authenticity (COA) license number that is preprinted on a label placed on

the back cover of the Xerox EX Print Server. It is the responsibility of the customer to place the booklet and all software DVD/CDs in a secure, but accessible area. The System Software DVD and User Software DVD along with the license number might be required when performing a “complete Xerox EX Print Server software installation. The Xerox Service Representative will use the DVDs and the license in case a full system software re-installation is recommended.

Xerox EX Print Server may make available system updates to the operating system. These are downloadable from the Xerox EX Print Server and are customer installable.

The Xerox Integrated Fiery Color Server is run on Linux. There is no Windows Certificate of Authenticity (COA) license number.

**Note:** If the license is lost or misplaced, the customer will be required to purchase a replacement license at his or her own expense.

## Environmental and Electrical Requirements

See chart on page 6 for electrical requirements that are matched to your Xerox Fiery Print Server.

**Note:** Both the Xerox EX Print Server, Powered by Fiery® and the Xerox Integrated Fiery Color Server require an electrical outlet; they are not powered by the print engine.

## Product Recycling and Disposal

Xerox operates a worldwide equipment take back and reuse/recycle program. Contact your Xerox sales representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit [www.xerox.com/environment](http://www.xerox.com/environment).

**Note:** This product meets the RoHS standards (Restriction of Hazardous Substances) required for products being installed in the European Union.

## Space Requirements

See chart on page 6 for space requirements that are matched to your Xerox Fiery™ Print Server. Refer to the base system Customer Expectations Setting guidelines for calculation instructions to determine the space that is required around the system in its various configurations.

To enable a Xerox Service Representative to safely repair the system, the work area must measure at least 36 inches (91.44 cm) square around the server.

The work surface of the network controller must not infringe on the space requirements by the print engine and any attached accessories unless the work surface is a table that has wheels and can easily be moved. Refer to the print engine's Customer Expectation Document.

There must be a minimum of 78 inches (198.12 cm) clearance from the floor to the nearest overhead obstructions.

All standard Xerox space requirements apply to this installation including overhead, shared, aisle or hallway, and operator space. The customer is responsible to provide appropriate floor spacing and placement surface.

Storage and future availability of software that ships with the color server is a customer responsibility. Xerox personnel do not carry replacement materials.

**Note:** Power cords for the Xerox EX Print Server, Powered by Fiery® and the Xerox Integrated Fiery Color Server are approximately 7.5 feet (2.3 meters).

## Specifications

Xerox Fiery™ Print Server		
Features\ Model	Integrated Fiery Color Server	EX Print Server
Software Level	v 1.0	v 1.0
DFE/Engine	Produce Codes	
EFI 550/560	XYX	YAA
HARDWARE		
Processors	Intel® Pentium® Processor E5300, 2.6 GHZ	Intel® Core 2 Duo E8400, 3 GHz
Motherboard/Platform	Tyan P2198	Tyan S5217
Platform OS	Linux	Windows XP Professional 64 bit
System Memory (Minimum)	2 GB	2 GB
Hard Drives (Minimum)	160GB	160 GB
DVD Drive	No	DVD R/W
Serial Interface	No	No
USB Interfaces	4	6
Monitor Size	n/a	19" Flat Panel (with Stand option)
Fiery S/W	System 9 Release 2	System 9 Release 2
Stand	No	Optional
Removable Hard drive	No	Frame is an Option: additional drives are ordered via the TXC
Electrical	110 V 20 A, 220 – 240v 10 A	100-240 V, 0-8 A, 47-63 Hz, 250 W (typical) 500 W (max)
BTU/Hour		858 (typical) 1716 (max)
Height inches (cm)	n/a	27" (58)
Width inches (cm)	n/a	8.36" (22)
Depth inches (cm)	n/a	23.17" (59)
Weight Lbs (Kgs)	n/a	67 (30.3)
Optional Stand		
Height inches (cm)	n/a	60.5" (154)
Width inches (cm)	n/a	32.1" (81.5)
Depth inches (cm)	n/a	40" (101)
Weight Lbs (Kgs)	n/a	62 (28.1)

## Running Antivirus Software

The Xerox EX Print Server has not provided testing on any specific anti-virus software. One should refer to the user documentation on how best to choose appropriate antivirus software and what settings should or should not be enabled on the Xerox EX Print Server .

Commercially available software programs (with the exception of Virus Protection Software) should not be loaded onto the Xerox EX Print Server . Additional programs will limit the available disk space the color server requires to operate efficiently.

The Xerox Integrated Fiery Color Server is run on a Linux platform; access is behind the unit. Loading antivirus software is neither recommended nor supported.

## Security

Security threats are defined as issues that compromise the integrity of the system, hampering the integrity of job data, compromising secured feature access, or allowing unauthorized data access. The recommends installation of network devices be done in accordance with existing security paradigms. The Xerox Fiery™ Print Server core software includes security features. To create a more secure network environment, end-users will need to combine the Xerox Fiery™ Print Servers' security features with other security safeguards. Customers should review the efi™ Fiery Security White Paper (version 2.2). This can be made available from your Xerox representative. In addition, one can review "Xerox Products and Anti-Virus Software" on [www.xerox.com](http://www.xerox.com) where it states efi™ tested compatibility and found no adverse effects when run as described.

Both the Xerox Integrated Fiery Color Server for the Xerox® Color 550/560 Printer and the Xerox EX Print Server, Powered by Fiery® for the Xerox® Color 550/560 Printer contain Secure Erase to ensure the safety of the data on the server hard drive.

- This feature is **enabled** by default on the Xerox Integrated Fiery Color Server, and may impact productivity rates. Settings can be modified to reduce this impact.
- This feature is **disabled** by default on the Xerox EX Print Server, but can be enabled by adjusting your settings.

Some IT communities may request a Level of Volatility [LOV]. This document is available. Ask your sales representative for further details.

## Non-standard Paper Size Support

The Xerox Color 550/560 Printer supports non-standard paper sizes. However, due to rounding and unit conversions that occur in the client applications, print server, and printer, some mismatch may occur between the paper size entered at the application and the paper size that must be entered at the printer. The operator may need to adjust the entered paper dimensions by up to 0.1 in (2.5 mm) in order for the printer to detect that the requested paper size has been loaded. In addition, the printer interprets some paper sizes included in the PPD as non-standard sizes.

## Customer Service and Support

Periodically, Xerox will make available bug fixes and other software releases. Some of these bug fixes and upgrades are designed to be customer installable. DVDs with patches can be obtained by calling the Xerox Hotline Support Centre. Future upgrades may have costs associated with them.

## Software Replacement

If lost, or misplaced, replacement software and documentation is available to be purchased. For the United States, you can access replacements through the Software Services web site <http://www.xdss.com>. If you reside outside the United States, work with your local Xerox Representative. Xerox personnel may not be able to provide services unless these materials are available.

## Professional Support Services

Xerox offers a rich set of value-added services designed to help you plan, implement, and operate your solution in addition to migrate and build your key applications, analyze and optimize your workflow. Your local sales representative and analyst can discuss and demonstrate to you their professional services can make your business more effective. Professional services are billable by the hour and/or job based depending on the geographic region.

## Remote Services

Xerox prInteract™ services are a suite of remote services available on various print engines to check the engine state and report billing meters. Meter Assistant™ is a feature within certain Xerox engines that uses the Xerox Fiery™ Print Server to send meter readings over the internet. Supplies Assistant™ is a feature within certain Xerox engines that allows customers to easily replenish and order Xerox supplies. Remote Assistant™ is a feature within certain Xerox engines that allows customers to authorize a Xerox specialist to remotely access the user interface on the digital front end to help guide you through corrective actions.

Xerox Remote Service Offerings are currently available for the Xerox Color 550/560 Printer.

Automated Meter Reading and Automated Supplies Replenishment (AMR/ASR) is offered on the Xerox Color 550/560 Printer.

Customers who wish to find further information may go to <http://www.xerox.com/printeract>

## Adobe PDF Print Engine

The Xerox EX Print Server now supports APPE\* v2.0 (Adobe PDF Print Engine) offering native end-to-end pdf workflows. This technology provides important features:

- Improves the consistency and flexibility of PDF output from design to print. Supports live transparency and spot color rendering.
- Adobe Common Rendering Engine (ACR): Adobe Creative Suite and RIP technologies now use a single rendering engine.

The Xerox EX Print Server can process CPSI and APPE workflows simultaneously, ensuring all jobs will meet customer demands, appearance and performance.

\* APPE is not available on the Xerox Integrated Fiery Color Server.

## File Creation

Even with the ability to process files through the Adobe PDF Print Engine there can be variations in processing times and color when comparing this to the traditional CPSI PostScript pathway. It is always best to create files appropriate for the intended production workflow. Image source color



profiles, common color conversion working spaces, live vs. flattened transparency should all be considered prior to creation for best end results.

Images that are scaled and rotated to their appropriate angle, size and resolution prior to being placed in a design program will typically process better. Always refer to a design guide for advice.

Xerox offers two booklets as guidelines to help you and your customers. They are *The Art & Science of Digital Printing*, *The Parsons Guide to Getting it Right*, and *The Xerox Job Preparation Guide for Designers*. These items are part of the Xerox ProfitAccelerator® Program. Further information can be found at [www.xerox.com](http://www.xerox.com) under Business Development, or from your local sales representative.

Always read the full documentation and understand how PDFs affect color paths with the print engine. Adobe has several booklets available on PDF creation such as *How to Create the Perfect PDF*, and *Designer's Guide to Transparency for Print Output*. These documents are downloadable from Adobe's web site at <http://www.adobe.com/studio/print/>.

## Supported File Formats

The following file formats are supported by both the Integrated and EX Print Servers:

- PostScript level 1, 2, or 3 per the PostScript language Reference Manual Supplement v3019 and PDFLib9.
- Adobe Portable Document Format version up to 1.8 (Acrobat 9).
- Supports native PDF processing.
- TIFF
- PCL 6/C (can be processed by both EFI servers but can not be selected as an output from the driver)
- Jobs that have been RIPPed
- EFI™ FreeForm 1, and FreeForm 2 VDP
- Xerox FreeFlow Variable Information Suite (VIPP)
- Personalized Print Markup Language (PPML) Version 2.1 Graphic Arts subset.
- Jobs submitted from Xerox FreeFlow™ Workflow Offerings.
- Desktop Color Separations (DCS) 2.0
- CT/LW
- TIFF, TIFF/IT, DCS2, JPEG
- Microsoft Native Formats (DOC, XLS, PUB, PPT) enabled through Fiery Hot Folders feature

## Key Features and Considerations

The following features are available and operate per specification, unless otherwise noted in the customer documentation. Your operators will be trained in the use of these features.

Item	Xerox Fiery™ Print Server	Comments
Calibration (Xerox EX Print Server& Xerox Integrated Fiery Color Server)	<ul style="list-style-type: none"><li>• ColorCal</li></ul>	<ul style="list-style-type: none"><li>• Standard, off the glass calibration with the Integrated Controller</li></ul>

Item	Xerox Fiery™ Print Server	Comments
Remote Operation (Xerox EX Print Server & Xerox Integrated Fiery Color Server)	<ul style="list-style-type: none"> <li>• Command Workstation 5</li> <li>• Log into multiple servers.</li> <li>• Manipulate jobs from any connected server without having to look at separate applications, or separate windows.</li> <li>• Preview print jobs from several different servers at one time.</li> <li>• Constantly monitor activity on one selected server, or on all connected servers.</li> </ul>	<ul style="list-style-type: none"> <li>• Command Workstation is included. A more current version of CWS may be available to download from Xerox.com.</li> <li>• Can run multiple color or monochrome systems from one central site</li> <li>• Client memory may limit the number of remote GUIs; 512 Mb minimum of memory required.</li> </ul>
Fiery JDF v1.0 (Xerox EX Print Server & Xerox Integrated Fiery Color Server)	<ul style="list-style-type: none"> <li>• Enables Fiery integration with JDF workflow</li> <li>• Resides on Fiery Server</li> </ul>	<ul style="list-style-type: none"> <li>• Basic JDF/JMF commands are supported. These commands are those that reference the stock library, weight, size and color.</li> </ul>
Booklet Maker 4.0 (Xerox EX Print Server & Xerox Integrated Fiery Color Server)	<ul style="list-style-type: none"> <li>• Easily create booklets in a user friendly environment without trying to program a job ticket.</li> </ul>	
Passes both Altona Suite (Xerox EX Print Server & Xerox Integrated Fiery Color Server) Ghent Output Suite (Xerox EX Print Server)	<ul style="list-style-type: none"> <li>• These are two different tests to help a printer comprehend how the Print Server manages color, PostScript Overprint and other common color print issues.</li> <li>• The tests suites test and verify both PDFX-1A and PDFX-3 capabilities.</li> <li>• The files are specially designed for testing digital output devices – primarily proofing systems as well as conventional and digital printing systems.</li> </ul>	<ul style="list-style-type: none"> <li>• In customer environments where tight color controls are requirements, and/or passing of the Altona Suite, Fogra Media Wedge and Ghent Suite, it is highly recommended to have EFI Profiler to help maintain color consistency.</li> <li>• More information on the Altona Test Suite can be found at:</li> <li>• <a href="http://www.altonatestsuite.de/en/index.php">http://www.altonatestsuite.de/en/index.php</a></li> <li>• More information on the Ghent Output Suite can be found at:</li> <li>• <a href="http://www.gwg.org/">http://www.gwg.org/</a></li> </ul>
Fogra Media Wedge (Xerox EX Print Server)	<ul style="list-style-type: none"> <li>• The Fogra Media Wedge is a color proofing bar used to monitor and measure color.</li> <li>• It is a comparison tool, designed for checking digital proofs against print standards.</li> </ul>	<ul style="list-style-type: none"> <li>• To maintain tight consistency for this industry standard requires EFI Profiler to calibrate and profile engine.</li> <li>• Profiler is recommended to calibrate and profile both the monitor and press and to inspect and measure the output.</li> </ul>

Item	Xerox Fiery™ Print Server	Comments
<b>Mixed Media Support</b>	<ul style="list-style-type: none"> <li>• Dynamic media pulls</li> <li>• Recognizes the PostScript command for any stock-related parameter to enable mixed stock jobs</li> <li>• Supports imposed and non imposed</li> </ul>	<ul style="list-style-type: none"> <li>• Tabs are not supported with any imposed job</li> <li>• For imposed jobs, sheet size for that job is fixed and cannot be changed</li> <li>• Mixed media cannot be applied as a record-based attribute inside FreeForm™ jobs.</li> <li>• Mixed Media settings for FreeForm™ jobs must be applied to the variable component file.</li> </ul>
<b>Tab Wizard/ Insert Tab Wizard</b>	<ul style="list-style-type: none"> <li>• Set up tabs sets and controls in an easy to use interface.</li> <li>• Can choose forward or reverse tabs and a set number of banks of tabs.</li> </ul>	<ul style="list-style-type: none"> <li>• Tabs are set up as 9"x11" (23cm x 28cm) in Tab Wizard but are set up at the engine as 8.5" x 11" or A4.</li> <li>• Tabs are defined by the stock library.</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• User password control</li> <li>• Fiery security (log-in) protocol makes shared locations accessible only to authorized users</li> </ul>	<ul style="list-style-type: none"> <li>• Included in all EFI Print Servers</li> <li>• Microsoft XP Pro operating system and security features are available on Xerox EX Print Server</li> </ul>
<b>Secure Erase</b>	<ul style="list-style-type: none"> <li>• The ability to rewrite the hard drive data three times to destroy data.</li> <li>• Department of Defense 5220.22M</li> </ul>	<ul style="list-style-type: none"> <li>• Included in all EFI Print Servers</li> </ul>

## Purchasable Options

The following features are available as purchasable options on the Xerox Integrated Fiery Color Server and the Xerox EX Print Server unless otherwise noted. Speak to your Xerox Sales representative for more information.

Item	Includes	Comments
<b>Fiery Integrated Workstation</b>	<ul style="list-style-type: none"> <li>• Furniture stand, GUI Kit (display, keyboard and mouse)</li> </ul>	<ul style="list-style-type: none"> <li>• not available with the Xerox Integrated Fiery Color Server</li> </ul>
<b>EFI Color Profiler Suite v3.0</b>	<ul style="list-style-type: none"> <li>• A complete, integrated color management tool to ensure color quality control in the printing workflow. The flexible suite is based on EFI's color management solutions.</li> <li>• Color Profiler Suite consists of the following 3 modules: <ol style="list-style-type: none"> <li>1. Profile Creation</li> <li>2. Profile Evaluation</li> <li>3. Quality Assurance</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>• Generate Monitor &amp; Printer Profiles, Create Device Links, Inspect &amp; Edit profiles,</li> <li>• EFI Color Verifier</li> <li>• ES1000 Spectrophotometer hardware</li> </ul>

Item	Includes	Comments
<b>Productivity Package</b>	<ul style="list-style-type: none"> <li>• Advanced Job Management</li> <li>• Control Bar</li> <li>• Image Viewer- soft proofing and editing capabilities</li> <li>• Paper Catalog</li> <li>• Paper Simulation editing</li> <li>• Post Flight</li> <li>• Hot Folders included</li> <li>• Virtual Printers</li> </ul>	<ul style="list-style-type: none"> <li>• This functionality is standard on the Xerox EX Print Server, but is optional for the Xerox Integrated Fiery Color Server.</li> </ul>
<b>Hot Folders and Virtual Printers</b>	<ul style="list-style-type: none"> <li>• The hot folder relieves the user of the repetitive task of configuring print settings for multiple jobs and allows the direct printing of files without need for an application.</li> <li>• Supports native printing through hot folders for Microsoft applications: Microsoft Word, Excel, Publisher and PowerPoint.</li> </ul>	<ul style="list-style-type: none"> <li>• This functionality is standard on the Xerox EX Print Server as part of the Productivity Package, but is optional for the Xerox Integrated Fiery Color Server.</li> <li>• Additional dongle for remote client s/w functionality.</li> </ul>
<b>EFI SeeSequence Suite</b>	<p>Includes two Features:</p> <p>SeeSequence Compose:</p> <ul style="list-style-type: none"> <li>• Preview and Edit Jobs easily</li> <li>• Compose provides a visual representation of the job so users can confirm the correctness of the job before printing, or modify it as necessary.</li> </ul> <p>SeeSequence Impose:</p> <ul style="list-style-type: none"> <li>• A WISIWIG tool to enable easy creation of imposition layouts.</li> <li>• Create unlimited user definable imposition templates.</li> <li>• Streamline the imposition process and eliminate repetitive tasks.</li> </ul>	<ul style="list-style-type: none"> <li>• Also handles last-minute editing of text and images with powerful PDF editing capabilities</li> <li>• SeeSequence Impose is standard for the Xerox EX Print Server, and Compose is an option.</li> <li>• Uses an additional dongle for full s/w functionality.</li> </ul>
<b>EFI SeeSequence Compose</b>	<ul style="list-style-type: none"> <li>• Preview and Edit Jobs easily</li> <li>• Compose provides a visual representation of the job so users can confirm the correctness of the job before printing, or modify it as necessary.</li> </ul>	<ul style="list-style-type: none"> <li>• Also handles last-minute editing of text and images with powerful PDF editing capabilities</li> <li>• SeeSequence Impose is standard for the Xerox EX Print Server, and Compose is an option.</li> <li>• Uses an additional dongle for full s/w functionality.</li> </ul>
<b>Graphic Arts Premium Edition</b>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Not available for the Xerox Integrated Fiery Color Server.</li> </ul>
<b>Removable Hard Disk Drive Kit</b>	<ul style="list-style-type: none"> <li>• Hardware to enable external hard disk drives.</li> </ul>	<ul style="list-style-type: none"> <li>• This kit will provide an external casing that will house all hard disk drives for the DFE. This will allow for the HDD's to be removed and locked up if desired.</li> <li>• Not available with Xerox Integrated Fiery Color Server.</li> </ul>

## Variable Information

If a customer is successfully running a Xerox FreeFlow Variable Information Suite 8.0 (Variable data Intelligent PostScript Printware) workflow, it will work similarly across the Xerox portfolio when using the efi™ Fiery Color Server. The same Xerox infrastructure in place today will support existing applications on the Xerox EX Print Server. VIPP is not supported on the Xerox Integrated Fiery Color Server.

Variable information is a very complex subject. Many variables exist that impact a file. File creation, emitters, PostScript code and type of server, are just a few of the things that will affect Variable Code. It is advisable to test a file prior to gain an understanding of any possible issues in the workflow. A Xerox Analyst can help in the process and there is always opportunity for a customer to correct and develop an efficient workflow to gain the best throughput.

## Network Specifications for Xerox Integrated Fiery and Xerox EX Print Color Servers

The Xerox Fiery Print Servers use the following protocols and frame types:

- Microsoft® Windows® WHQL (Windows Hardware Quality Labs) printer drivers with Dynamic tray and Status reporting
- Macintosh® OS 10 full feature drivers
- Adobe® PostScript® Printers Descriptions (PPD)
- HTTP and HTTPS browser submission support
- FreeFlow™ Print Manager (FFPM is an optional workflow solution) support
- Microsoft Windows 2003, XP, Vista and Windows 7 full-featured drivers

**Note:** If a DHCP server is not available the Server IP address must be entered manually.

## Printing Services

The Xerox EX Print Server supports the following printing services:

- LPD (Line Printer Daemon) — Allows printing in TCP/IP networks using an LPR client and supporting RFC 1179, the Berkeley LPR protocol. Supports direct socket interface via port 9100.
- PAP (Printer Access Protocol)— Allows printing in AppleTalk networks.
- NetBIOS printing and file sharing over TCP/IP
- NFS file sharing
- SMB (Server Message Block) — Allows printing in Windows networks over TCP/ IP.
- Port 9100 — Supports direct socket interface through direct, print and hold queues.  
Note: Disabling the Port 9100 service also disables the associated IP ports
- FTP Printing — Supports printing from an FTP client to the Fiery.
- IPP Support — Internet Printing Protocol (IPP) is an application level protocol that can be used for distributed printing using Internet tools and technologies. This would allow end-user to print to a remote printer on the Internet, as if it were attached to its local area network, by specifying the URL. IPP uses HTTP protocol to provide the underlying communication between the client and the server.

**Note:** Disabling the IPP service also blocks port 631.

## Client Specifications

### Macintosh

- G4 Power Macintosh or better is strongly recommended
- Operating system: OS 10.4 or higher
- Protocols: AppleTalk, TCP/IP
- Recommended memory: A minimum of 512 MB is recommended

### PC

- Required platform: PC platform capable of running supported operating system
- Operating system: Windows XP, Vista and Windows 7
- Protocols: TCP/IP, NetBEUI
- Recommended memory: Operating system dependent, e.g., Windows XP, 256 MB minimum to print

### UNIX

- A workstation with standard TCP/IP connectivity
- TCP/IP printing software that conforms to RFC1179 (Berkeley lpd protocol)

## PPDs and Print Drivers

PPDs are provided for Windows XP, Vista, Windows 7 (Windows Hardware Quality Laboratories tested, [WHQL]) and Apple Macintosh 10.3 or higher. It is recommended to use the Macintosh print driver 10.4. The Xerox Fiery Print Servers are not approved for use on a Mac OS lower than 10. The PC drivers are automatically installed when the printers are installed in the respective PC platforms. Please refer to the user's manual for further installation information. PCL Fiery Drivers are not included.

## Fiery™ System Software Limitations

### Client

- Cover Page comes over as separate job when sent from a MAC OS X client.

### Command Workstation

- For color engines, if using the getTIFF macro, commonly used on monochrome devices, the recommendation is to use getFORM. Using getTIFF macros may impair performance. The macro, getFORM, has a wider PDL format support and caching performance.
- The maximum copy count in the PPD and Command WorkStation job properties is 9999.
- The maximum number of spot colors per page in a composite overprint file is 250. The maximum is 250 per page with CMYK.
- When the hard disk of the color server is full, jobs sent to the server will not print until the current job is finished and completed jobs are removed from the Printer Queue.
- Jobs archived using any previous version of software may not be backward compatible to other Fiery servers.

- Enfocus pop-up window may still appear if all of the required fields are not completed.
- Printing from some applications may require *Use PDF/X Objects* to be disabled (the Default is Off) to allow for proper printing.
- Duplicate feature inside of Preview may cause unexpected results with Mixed Media.
- If a job is sent with a Custom Paper Profile but that profile is not set up on the IOT the job will need to be cancelled, the profile will need to be setup on the IOT and then the job can be re-submitted.
- Very rarely the Print Server may lock up when a process and held job is deleted from the Active queue. A reboot of XP will get the Print Server back online.
- If any Tab or Insert sheet is inserted into a job using the Compose Utility and that particular Tab/Insert is not loaded in the IOT, the job will error out and move to the Printed Jobs Queue highlighted in pink. If double-clicked this job will say no trays are associated with the media inserted through Compose. Load this media in the IOT and re-submit the job and it will print successfully.
- If a job in the Printed queue is double clicked on the properties window will come up and a Preview button will be located in the bottom left hand side of this window. This Preview button is here in error and will not function. If the job must be previewed, move the job to the Active queue and preview it from there and it will function properly.

## Fiery Print Server Software Limitations

### Start up

- The Xerox Integrated Fiery Color Server currently can take a longer than expected time to start up after the unit is powered off. This is being addressed in the software; restarting the server will aggravate the problem, so patience is required.

### Setup

- Error message appears on the printer touch panel when the Fiery icon is pressed: If you press the Fiery icon on the printer touch panel and an error message appears, enable the following settings in Centware Internet Services: 1 Open a Web browser on a client computer, type the Fiery Controller IP address in the address field of the browser, and then press Enter. On the WebTools page, click Xerox WorkCentre. 2 In Centware Internet Services, click Login and enter the system administrator user ID and Password. (Default user ID is "admin"; default password is "1111".) Click Login. 3 Choose Properties > General Setup > Extensible Services Setup. Under Browser Settings, select Enable the Extensible Services Browser, and then click Apply. 4 Reboot the Fiery.

**Note:** This setup procedure should also be followed if the Fiery button is "grayed out" on the printer interface panel.

### Printing

- Windows Fiery printer driver installed with Point and Print: If you install the Windows Fiery printer driver with Point and Print you may receive an error when you view the printer driver properties.
- Printing a job with incompatible Finishing print options: If you try to print a job with incompatible Finishing print options you will receive a message that Finishing could not be completed as selected.
- Correct paper not loaded in the printer: If you print a job and the correct paper is not loaded in the printer, the load paper message may not specify the paper

weight you need to load to complete your job. The paper weights are listed in the Customer Release Notes and the paper needed is displayed in the EFI Command Workstation Information panel.

- If you print an APPE job with many spot colors and select Composite Overprint, your job may not print correctly.

### **Calibrator**

- Starting Calibrator: If you start Calibrator from the applications folder while Command WorkStation is running, Command WorkStation may stop responding.

### **SeeSequence Suite**

- List View not available in SeeSequence Preview: The Help for SeeSequence Preview refers to List View, an alternative way of viewing pages in the Page View pane as a list in text format. List View is no longer available. Pages are displayed as thumbnails in the Page View pane.
- Saving APPE jobs in SeeSequence Impose: When you have imposed a job in SeeSequence Impose with APPE (Adobe PDF Print Engine) selected in Fiery Job Properties, and saved the job, you cannot go back and make further imposition changes to the imposed job. The default for saving APPE imposed jobs is as a flattened PDF, which does not allow further changes. If you are not satisfied with the imposition choices you have made, start over with the original job.
- NOTE: If you save the job in .dbp format, you can make further imposition changes, but the job will be RIPped as a PostScript job, not as an APPE job.



## Responsibility Matrix

Action	Customer	Carrier	Xerox
Ensure adequate space and power to configure the Color Server to the print engine.	X		
Unpack system / components		X <sup>3</sup>	
Install server hardware		X <sup>3</sup>	
Connect all System Components prior to powering up the system		X <sup>3</sup>	
Install the printer description files, utilities, and printer drivers on client PCs	X <sup>2</sup>		
Ensure network configuration	X <sup>2</sup>		
Confirm network integrity	X		
Acquire and install client workstation network hardware and software	X <sup>2</sup>		
Monitor and Adjust calibration for color matching of color management systems	X		
Load any additional fonts	X		
Procure BNC transceiver for network connection (if required)	X		
Set up and administer client workstations	X		
Provide Helpline Support (when FSMA is purchased)			X <sup>1</sup>
Provide spared parts (when FSMA is purchased)			X <sup>1</sup>
Provide service (when FSMA is purchased)			X <sup>1</sup>
Install all software options designated as customer installable	X		
Secure all system software	X		
Assess site security requirements and configure the print server as needed to satisfy customer's IT/Security department	X		
Ensure all "sensitive" customer data is removed from the server and print engine hard drive before return to Xerox	X		

<sup>1</sup> Xerox is responsible when a Field Service Maintenance Agreement (FSMA) is purchased. Xerox does not offer these services without the purchase of a FSMA Contract.

<sup>2</sup> A customer can purchase professional consulting hours to have a systems analyst assist in planning and implementing these activities.

<sup>3</sup> The Xerox Color 550/560 Printer is delivered and installed by Carriers. The carrier unpacks, installs the hardware, connects the print server to the engine, and prints a job from the sample jobs folder. The customer installs all software options.

## Customer Expectations Agreement

Check the modules that will be part of this install and for which expectations have been set:

\_\_\_\_\_Xerox Integrated Fiery Color Server for the Xerox® Color 550/560 Printer

\_\_\_\_\_Xerox EX Print Server, Powered by Fiery® for the Xerox® Color 550/560 Printer

Primary Customer Applications:

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Special considerations or performance limitations identified by Xerox and agreed to by the customer:

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Upending and/or Stair Climbing Required and Reviewed:

Yes\_\_\_\_\_Not Required\_\_\_\_\_

**I have reviewed and understand the product specifications for each of the modules that will be installed: (signatures required)**

**Customer** \_\_\_\_\_

**Xerox Sales Representative** \_\_\_\_\_

**Xerox Analyst Representative** \_\_\_\_\_

**Xerox Service Representative** \_\_\_\_\_

I have viewed a representative output sample from the Xerox \_\_\_\_\_ Printer and the image quality is acceptable for the needs of my organization:

(Signature required if a Xerox Color 550/560 Printer is part of the order.)

**Customer** \_\_\_\_\_

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