

# Fiery E-83A Server vs. E-43A Server

## The Right Choice for Your Customer

Ricoh® offers two Fiery® servers designed for the Ricoh Pro C7100/C7110/C7100S/C7110S/C7100X/C7110X/C7100SX/C7110SX: the Fiery E-83A and the Fiery E-43A. These two solutions address the speed and throughput required by different production environments. This document will help you identify the correct solution for your customer.

## When Either Fiery Server is Appropriate

### Production-level tools

Both Fiery servers include advanced job management tools to maximize the engine's throughput.

### Integration with JDF and workflow solutions

Both Fiery servers allow connectivity with EFI Web-to-Print and MIS solutions, as well as with popular industry workflow solutions such as Kodak® Prinergy®, Agfa® :APOGEE™ and Heidelberg® Prinect®. This integration enables job information to flow through the system faster and more efficiently to reduce human error and save time.

### A pure PDF workflow

Both Fiery servers integrate Adobe® PDF Print Engine (APPE) technology to offer a choice of end-to-end native PDF workflow or legacy workflows. This provides consistency and flexibility from design to output in digital and offset print environments.

### Accurate, consistent color

Both servers render all combinations of color spaces and transparency blends correctly using industry-standard tests such as Altona Test Suite 2. They offer default settings that maximize performance with the best color quality right out of the box. They can also sharpen images, smooth flesh tones, and enhance the natural color of any photo in a document with the latest version of the fully integrated Fiery Image Enhance Visual Editor.

### Compatible with industry standards

Fiery servers support the most industry standards, including:

- EFI FreeForm™  
Free, entry-level VDP technology
- PPML 2.0/2.5/3.0
- PDF/VT 1 and 2
- Creo VPS™



Both Fiery servers carry the IDEAlliance Digital Press Certification, meeting or exceeding established industry tolerances for excellence in the areas of colorimetric accuracy, uniformity, repeatability, durability and registration.



POWERED BY  
Adobe PDF Print Engine



## When to Choose the Fiery E-83A Server

### **Your customers demand shorter run lengths and faster turnarounds**

A high-powered DFE, such as the Fiery E-83A server, processes and continuously drives the digital press to minimize engine idle time and utilize maximum engine capacity.

The Fiery E-83A server features the exclusive Fiery HyperRIP, a unique EFI technology that splits pages of an individual job to simultaneously process them with multiple processor cores, interpreters and rendering engines. The result is an increase in RIP speed by up to 55% on individual jobs, reducing data spikes to print engines and avoiding lost production time.



### **Operators need to make late-stage edits and corrections to files**

In demanding print environments, operators need to be able to easily perform late-stage edits to adjust colors, impose documents into booklets, and preview full raster files. This ensures the highest quality before printing and minimal waste and rework.

For maximum productivity, all these operations should be performed through the most powerful available DFE, the Fiery E-83A server, which comes standard with Fiery Graphic Arts Package, Premium Edition. This application provides extensive prepress proofing capabilities with features such as preflight, postflight, halftone simulation, control bars and ability to process files with a large variety of prepress file formats. ImageViewer is also included for fast local and remote soft-proofing tools with amazing preview and powerful color editing capabilities in Fiery Command WorkStation®.

### **Add value with powerful makeready tools**

The Fiery E-83A server includes Fiery Impose-Compose. Fiery Impose extends the driver-based imposition capabilities offered by Booklet Maker to include visual custom imposition, late-stage editing and the option to add or delete pages—without modifying native files. Fiery Compose provides an advanced preview and editing environment to simplify media assignments, tab printing, chapterization and document finishing.

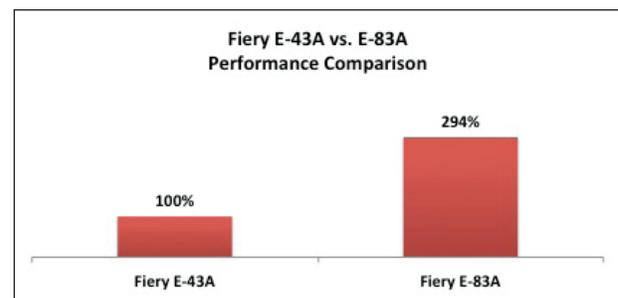
### **Meet increasing demand for Variable Data Printing**

Ensure that your customers are prepared to meet the increasing demand for variable data printing (VDP) over the life of the lease. The robust, open, flexible, and scalable Fiery variable data printing solution supports all leading VDP formats, enables printing at maximum productivity, and works with all leading variable data composition software and data formats for seamless workflows.

### **Ability to efficiently handle current and future complex and graphics-intensive files**

The Fiery E-83A server provides more power to cost-effectively handle the additional processing required to manage color and images in complex files with multiple layers, transparencies, and overprints.

The Fiery E-83A server is almost three times faster than the Fiery E-43A server, making it the best choice for demanding production environments and future-proofing your customer's investment.



## Key Comparative Features

FEATURE	FIERY E-83A	FIERY E-43A
Fiery Platform	QX <sup>100</sup>	PRO <sup>80</sup>
Fiery Software	Fiery FS150 Pro	Fiery FS150 Pro
Processor	2 x Intel® Xeon® Processor E5-2637 v2 3.50 GHz	Intel® Core™ i5-4570S Processor Up to 3.60 GHz
Relative Performance	*****	***
Memory	16 GB	4 GB
HyperRIP	INCLUDED	N/A
Hard Disk Drive	2 TB SATA + 500 GB SATA	1 TB
Fiery Impose	INCLUDED	OPTIONAL
Fiery Compose	INCLUDED	OPTIONAL
Fiery Graphic Arts Package, Premium Edition	INCLUDED	OPTIONAL
ImageViewer	INCLUDED	OPTIONAL
Automatic Preflight	INCLUDED	OPTIONAL
Postflight	INCLUDED	OPTIONAL
Paper Simulation	INCLUDED	OPTIONAL
Halftone Simulation	INCLUDED	OPTIONAL
2-Color Print Mapping	INCLUDED	OPTIONAL
Configurable Auto Trapping	INCLUDED	OPTIONAL
GA Filters for Hot Folders/Virtual Printers	INCLUDED	OPTIONAL
Fiery Color Profiler Suite w/ES-2000 Spectrophotometer	OPTIONAL	OPTIONAL
Fiery JobMaster	OPTIONAL	OPTIONAL
Fiery JobFlow	OPTIONAL	OPTIONAL
Primary Markets	<b>High Volume</b> Commercial Printers, In-Plants, Digital Printers	<b>Mid Volume</b> Digital Printers Print for Pay, In-Plants

## EFI fuels success.

From Fiery to superwide inkjet, from the lowest cost per label to the most automated business processes, EFI has everything your company needs to succeed. Visit [www.efi.com](http://www.efi.com) or call 650-357-3500 for more information.



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