

# Color Controller E-85A vs E-45A

## The right choice

Ricoh® offers two Fiery® servers designed for the Ricoh Pro C7200 Series: Color Controllers E-85A and E-45A. This document will help you identify the correct solution for your production environment.

## When to choose the E-85A over the E-45A

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

The E-85A features Fiery HyperRIP, an exclusive EFI technology that helps achieve uninterrupted production and expands performance with parallel job processing power. HyperRIP can process jobs up to 55% faster compared to a Fiery server without HyperRIP. With HyperRIP, an operator can split a single job into four logical parts for parallel processing of pages in the job, or RIP up to five jobs at the same time for faster throughput.



### Meet increasing demand for variable data printing

Ensure that you are prepared to meet the increasing demand for variable data printing (VDP) over the life of the lease. Both the E-85A and E-45A Print Server support all leading VDP formats and work with all leading variable data composition software and data formats.

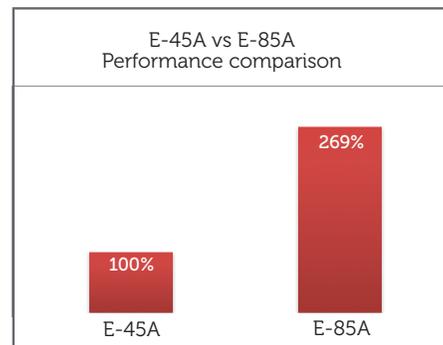
However, the additional speed of the E-85A enables printing at maximum productivity for even the most complex VDP jobs.



### Ability to efficiently handle complex and graphics-intensive files today and in the future

The E-85A provides more power to cost-effectively handle the additional processing required to manage complex files with multiple layers, transparencies, and overprints.

The E-85A is over 2.5 times faster compared to the E-45A, making it the best choice for demanding production environments and future-proofing your investment.



### Add value with powerful makeready tools

The E-85A 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.

## When to choose the E-85A over the E-45A (continued)

### **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 digital front end, the E-85A. It comes standard with Fiery Graphic Arts Package, Premium Edition, a powerful toolset to identify and correct production problems before printing a single page. This eliminates wasted prints and keeps print engines producing profitably.



## What both Fiery servers offer

### **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 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 VDP formats, including:

- Fiery FreeForm™  
*Free, entry-level VDP technology*
- PPML 2.0/2.2/3.0
- 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



## Key comparative features

FEATURE	E-85A	E-45A
Fiery platform	NX Premium	NX Pro
Fiery software	Fiery FS300 Pro	Fiery FS300 Pro
Processor	2 x Intel® Xeon® Processor E5-2637 v4, 3.5 up to 3.7 GHz with Turbo, Quad Core	Intel® Core™ i5-6500 Processor 3.2 up to 3.6 GHz with Turbo, Quad Core
Operating System	Windows 10 IoT Enterprise 2016 LTSB	Windows 10 IoT Enterprise 2016 LTSB
Hard disk drive	2 x 2TB SATA + 500 GB SATA	1 TB SATA
Memory	16 GB	8 GB
HyperRIP	INCLUDED	Not available
Fiery Impose	INCLUDED	OPTIONAL*
Fiery Compose	INCLUDED	OPTIONAL
Fiery Graphic Arts Package, Premium Edition	INCLUDED	OPTIONAL*
Fiery Color Profiler Suite w/ES-2000 Spectrophotometer	OPTIONAL**	OPTIONAL**
Fiery JobMaster	OPTIONAL*	OPTIONAL*
Fiery JobFlow Base	FREE	FREE
Fiery JobFlow	OPTIONAL*	OPTIONAL*
Fiery Navigator	FREE (first 3 Fiery servers)	FREE (first 3 Fiery servers)
Fiery NX Station GL: Fiery work stand, Fiery Ticker, 22" monitor, wireless keyboard and mouse	OPTIONAL	OPTIONAL
Fiery NX Station LS: Adjustable Fiery work stand, proximity sensor, 27" monitor, wireless keyboard and mouse, optimized cable management	OPTIONAL	OPTIONAL
TotalFlow basic bundle (Fiery Impose, EFI ES-2000 spectrophotometer)	NOT AVAILABLE Fiery Impose is already included with the E-85A.	OPTIONAL
TotalFlow advanced bundle (Fiery Impose, Fiery Compose, Fiery Color Profiler Suite, EFI ES-2000 spectrophotometer, Fiery Graphic Arts Package, Premium Edition)	NOT AVAILABLE Fiery Impose, Fiery Compose, and Fiery Graphic Arts Package, Premium Edition are already included with the E-85A.	OPTIONAL

\*30-day free trial available at [fiery.efi.com/freetrials](http://fiery.efi.com/freetrials)

\*\*Free trial in demo mode



**RICOH**  
imagine. change.

## EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalized documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity. Visit [www.efi.com](http://www.efi.com) or call 650-357-3500 for more information.



Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

The APPS logo, AutoCal, Auto-Count, Balance, Best, the Best logo, BESTColor, BioVu, BioWare, ColorPASS, Colorproof, ColorWise, Command WorkStation, CopyNet, Cretachrom, Cretaprint, the Cretaprint logo, Cretaprinter, Cretaroller, DockNet, Digital StoreFront, DirectSmile, DocBuilder, DocBuilder Pro, DocStream, DSFdesign Studio, Dynamic Wedge, EDOX, EFI, the EFI logo, Electronics For Imaging, Entrac, EPCount, EPPhoto, EPRegister, EPStatus, Estimate, ExpressPay, Fabrivu, Fast-4, Fiery, the Fiery logo, Fiery Driven, the Fiery Driven logo, Fiery JobFlow, Fiery JobMaster, Fiery Link, Fiery Prints, the Fiery Prints logo, Fiery Spark, FreeForm, Hagen, Inktenzity, Inkware, Jetrion, the Jetrion logo, LapNet, Logic, MiniNet, Monarch, MicroPress, OneFlow, Pace, PhotoXposure, Printcafe, PressVu, PrinterSite, PrintFlow, PrintMe, the PrintMe logo, PrintSmith, PrintSmith Site, Printstream, Print to Win, Prograph, PSI, PSI Flexo, Radius, Rastek, the Rastek logo, Remoteproof, RIPChips, RIP-While-Print, Screenproof, SendMe, Sincolor, Splash, Spot-On, TrackNet, UltraPress, UltraTex, UltraVu, UV Series 50, VisualCal, VUTEK, the VUTEK logo, and WebTools are trademarks of Electronics For Imaging, Inc. and/or its wholly owned subsidiaries in the U.S. and/or certain other countries.