

# Colour Controller E-85 vs E-45

## The right choice

Ricoh® offers two Fiery® servers designed for the Ricoh Pro C9200/C9210: Colour Controllers E-85 and E-45. This document will help you identify the correct solution for your high production environment.

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

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

The E-85 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-85 and E-45 Print Server support all leading VDP formats and work with all leading variable data composition software and data formats.

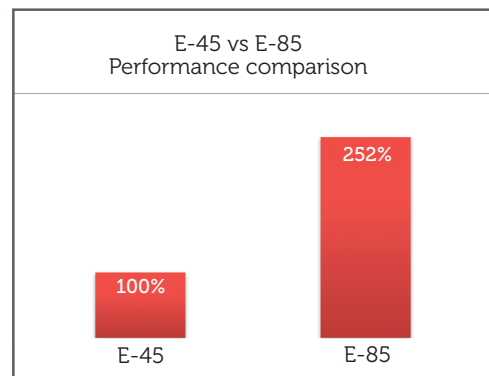
However, the additional speed of the E-85 enables printing at maximum productivity for even the most complex VDP jobs, ideal for a high production volume environment.



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

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

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



### Add value with powerful makeready tools

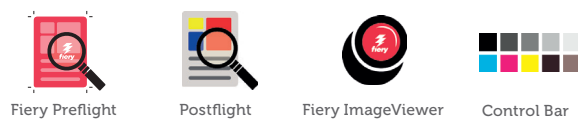
Both servers come standard with Fiery Impose, the intuitive visual imposition software. However, the E-85 also includes Fiery Compose, which provides an advanced preview and editing environment to simplify media assignments, tab printing, chapterisation and document finishing.

## When to choose the E-85 over the E-45 (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-85. 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 maximise 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 Heidelberg® Prinect®, Kodak® Prinergy®, and Agfa® APOGEE™. 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 colour

Both servers render all combinations of colour 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 colour quality right out of the box. They can also sharpen images, smooth flesh tones, and enhance the natural colour 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-85	E-45
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	INCLUDED
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

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

\*\*Free trial in demo mode



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