

# Top reasons to buy Ricoh Color Controller E-47B

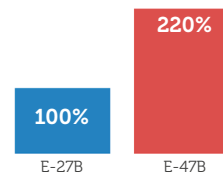
Because the investment horizon for a new digital printing system is from three to five years, it's always good to consider both current and future needs of your print environment when deciding on a new digital printing system. EFI™ offers two Fiery® servers for the RICOH Pro C5300s/C5310s – the external E-47B and the embedded E-27B. This document helps you understand the benefits of an external Fiery server, how it meets your current needs and how it offers built-in flexibility for future growth.

## E-47B only: Standard features

The E-47B comes with standard features that add productivity, quality and new services to your production environment. These features are not available on the E-27B.

### 1. Faster turnaround times

To maximise your engine capacity, you need a high-powered digital front end to process and drive data fast enough to minimise engine idle time. More robust and powerful hardware specifications make the E-47B more than 2x faster than the E-27B, making it the best choice for demanding production environments.



### 2. Flexible variable data printing (VDP) services

The robust, flexible, and scalable Fiery solution supports all leading open VDP formats including PDF-VT, Creo VPS and PPML, and works with all leading VDP composition software and formats for seamless workflows. The faster processing speed also makes offering VDP services more profitable.



### 3. Inline tab insertions

Create and insert tab sheets directly into documents with Fiery Command WorkStation® by entering the text for each tab and specifying the location of the tab at the last possible stage in the print submission process.



## E-47B only: Standard features (continued)

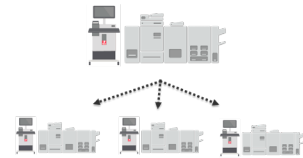
### 4. Fiery QuickTouch™ software

Fiery external servers feature the Fiery NX Pro hardware. The NX Pro includes Fiery QuickTouch software on the touchscreen display, which gives faster views of job status information and access to server management. With just a tap, the touchscreen display gives operators easy access to intuitive system installation, backup and restore, plus system diagnostics.



### 5. Fiery deployable image

Service technicians can save time when installing multiple Windows-based Fiery servers in a single organisation. The Fiery deployable image captures a distributable image of a fully configured Fiery server, including Fiery patches, Windows security updates, and user configurations



### 6. Microsoft Windows® 10 IoT Enterprise 2019 LTSC

Fiery FS400 Pro external servers use Windows 10 IoT Enterprise 2019 LTSC as their operating system. This Windows edition contains the latest security protections and includes the cumulative feature enhancements provided in Windows 10 versions 1703, 1709, 1803, and 1809.



### 7. USB security

Maintain a secure print environment. Fiery external servers prevent connection of USB storage devices and disable Fiery features that require USB mass storage functionality, such as Backup and Restore.



### 8. Dynamic HD Text and Graphics

The E-47B provides the innovative Dynamic HD Text and Graphics feature which offers the ability to RIP files at 1200 dpi to preserve high-detail content and reduce the jaggedness visible in half-toned, non-saturated objects. It also reproduces accurately ultra-thin lines, small text, and fine details in the printed output.



### 9. Fiery JobExpert

Reduce setup time and cut waste with Fiery JobExpert™ – a built-in feature in Fiery Command WorkStation® – that automatically analyses each PDF print job in detail and sets the best Fiery job settings for color management, image quality, VDP settings, and engine specific properties.



## E-47B only: Optional features

The E-47B offers optional software and hardware solutions that add advanced prepress, makeready, automation and workflow integration for high-production print facilities. These features are not available on the E-27B.

### 1. Secure storage for print files

The optional removable hard disk drive allows you to lock the server drive into the system for normal operation and remove it to a secure location after powering down the server.



### 2. A centralised production workspace for operators

The Fiery NX Station is a compact, centralised workstation for Fiery external servers that adapts to different print production environments. It comes in two models: NX Station GL, which features a 22" display, or the NX Station LS, which features a 27" display, 6" adjustable-height workspace, proximity sensor, and cable routing.



### 3. A powerful makeready option to produce differentiated output

Add Fiery JobMaster to offer advanced PDF makeready capabilities such as insertion of tab pages without the need to design them in the native application, multi-bank and bleed-edge tab setup, page merging, media assignment, finishing, page numbering, plus hard-copy scanning and cleanup. This allows you to produce jobs completely inline and reduce labor costs on manual tab insertion.



## E-27B: Optional features

While these features are standard on the E-47B, you may add them as options to the E-27B by purchasing the Fiery ColorRight Package, Fiery Automation Package, or stand-alone software options. Be sure to compare the cost of the embedded E-27B with the additional software added for a more accurate comparison to the external E-47B.

### 1. Automated job submission that eliminates touch points

Workflow automation in the job submission process with Hot Folders and Virtual Printers reduces errors and saves time, while allowing operators to give more attention to other jobs that require specific finishing and colour settings.



### 2. Perfect PDF printing in a pure PDF workflow

Adobe PDF Print Engine (APPE) offers the option of a native PDF end-to-end workflow. Improves the consistency and flexibility of the printed output from design to output in digital and offset print solutions.



### 3. Superior photographic prints

Fiery Image Enhance Visual Editor, a Command WorkStation® plug-in, allows operators to make last-minute edits to a selected image without having to open the image in applications such as Adobe Photoshop®.



### 4. Automated web-to-print submission, and integration with EFI MIS systems

Fiery servers are certified by CIP4 job definition format (JDF) IDP-ICS. By adhering to this standard, Fiery servers integrate seamlessly with EFI MIS and web-to-print systems as well as with industry-leading third-party prepress workflow solutions such as Heidelberg Prinect. This helps you more efficiently deliver job specifications, update job status in real time, track job costing data and validate equipment usage.



### 4. Accelerated production with prepress workflow automation

Enable the free Fiery JobFlow Base on an embedded Fiery server with Fiery Automation Package and start building ready-to-use workflows.

Once Fiery JobFlow Base is enabled, upgrade to a paid license for the full version, Fiery JobFlow, for advanced prepress capabilities. You can easily configure automated job workflows including correction and editing of PDF files, plus approval, scripting and job ticketing.



## Server comparison

| FIERY SERVER   | EXTERNAL - E-47B  | EMBEDDED - E-27B  |
|--|---|---|
| Attached engines   | RICOH Pro C5300S/C5310S   | RICOH Pro C5300S/C5310S/C5300SL                                     |
| Fiery Software   | Fiery FS400 Pro   | Fiery FS400   |
| Fiery Platform   | NX Pro  | E <sup>90</sup>   |
| CPU  | Intel® Core™ i5-6500 Processor<br>3.2 GHz up to 3.6 GHz Turbo   | Intel® Pentium® Processor G4400,<br>3.3 GHz                         |
| Operating System   | Microsoft Windows 10 IoT<br>Enterprise 2019 LTSC                | Linux   |
| RAM  | 8 GB  | 4 GB  |
| Hard Disk Drive (HDD)  | 1 TB  | 500 GB  |
| Removable HDD  | OPTIONAL  | Not Available   |
| Removable Storage  | DVD-RW/CD-RW  | Not Available   |
| VDP Formats  | PPML 2.0/2.2/3.0, PDF/VT-1, PDF/VT-2, VPS, Fiery FreeForm™ Plus | Fiery FreeForm Plus   |
| Fiery FreeForm Create  | INCLUDED  | INCLUDED  |
| Fiery Spot-On™   | INCLUDED  | INCLUDED  |
| Adobe® PDF Print Engine (APPE)   | INCLUDED  | OPTIONAL  |
| PDF/X Output Intent  | INCLUDED  | OPTIONAL with Fiery Automation Package                              |
| Fiery JobExpert  | INCLUDED  | Not Available   |
| Pad Printing   | INCLUDED  | Not Available   |
| Insert tabs  | INCLUDED  | Not Available   |
| Dynamic HD Text and Graphics   | INCLUDED  | Not Available   |
| Fiery Hot Folders/Virtual Printers                                     | INCLUDED  | OPTIONAL (as stand-alone option and with Fiery Automation Package*) |
| Integration to EFI MIS and web-to-print systems                        | INCLUDED  | OPTIONAL with Fiery Automation Package*                             |
| Fiery Image Enhance Visual Editor                                      | INCLUDED  | OPTIONAL with Fiery ColorRight Package*                             |
| Fiery JDF  | INCLUDED  | OPTIONAL with Fiery Automation Package*                             |
| Fiery ImageViewer, Fiery Spot Pro, Fiery Postflight, Fiery Control Bar | OPTIONAL with Fiery Graphic Arts Pro Package*                   | OPTIONAL with Fiery ColorRight Package*                             |
| Fiery Preflight  | OPTIONAL with with Fiery Graphic Arts Pro Package*              | OPTIONAL with Fiery Automation Package*                             |
| Fiery JobFlow Base   | FREE (pre-installed on server)                                  | FREE (requires Fiery Automation Package*)                           |
| Fiery JobFlow*   | OPTIONAL  | OPTIONAL (requires Fiery Automation Package*)                       |
| Fiery Impose**   | OPTIONAL  | OPTIONAL  |
| Fiery Compose  | OPTIONAL  | OPTIONAL  |
| Fiery JobMaster*   | OPTIONAL  | Not Available   |
| EFI IQ   | Includes access to free cloud applications                      | Includes access to free cloud applications                          |
| Fiery Color Profiler Suite** w/EFI ES-2000 spectrophotometer           | OPTIONAL  | OPTIONAL  |
| Fiery NX Station LS  | OPTIONAL  | Not Available   |
| Fiery NX Station GL  | OPTIONAL  | Not Available   |

\* Free 30-day trial available

\*\* Free trial in demo mode available

Visit the [Fiery Graphic Arts Pro Package](#), [Fiery ColorRight Package](#), and [Fiery Automation Package](#) web pages for more information on features included in each package.



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