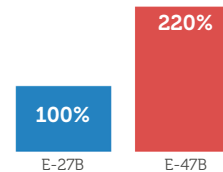# Top reasons to buy Ricoh Color Controller E-47B

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 maximize your engine capacity, you need a high-powered digital front end to process and drive data fast enough to minimize 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.

220%
100%
E-27B   E-47B

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.

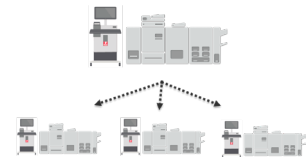# E-47B only: Standard features (continued)

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 technicans can save time when installing multiple Windows-based Fiery servers in a single organization. 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 analyzes 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 centralized production workspace for operators
The Fiery NX Station is a a compact, centralized 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 color settings.

2. Perfect PDF printing in a pure PDF workflow

Adobe PDF Print Engine (APPE) offers the option of a native PDF endto-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

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
Fiery Software	Fiery FS400 Pro	Fiery FS400
Fiery Platform	NX Pro	E^{400}
CPU	Intel® Core™ i5-6500 Processor 3.2 GHz up to 3.6 GHz Turbo	Intel® Pentium® Processor G4400, 3.3 GHz
Operating System	Microsoft Windows 10 IoT 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.

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 or call 650-357-3500 for more information.

efi®