Top reasons to buy the imagePRESS Server H300

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® server platforms for the Canon imagePRESS C850/C750/C650 — the external imagePRESS Server H300 and embedded imagePRESS Server G100. These two server platforms vary by the level of PDF processing controls, automation, productivity, workflow integration and expandability they offer.

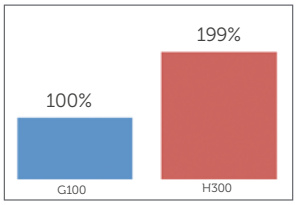
This document helps you understand the benefits of an external Fiery server, how it meets your current needs and how it offers built-in flexibility for future growth.

imagePRESS Server H300 only: Standard features

The imagePRESS Server H300 comes with standard features that add productivity, quality and new services to your production environment. These features are not available on the imagePRESS Server G100.

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 imagePRESS Server H300 twice as fast compared to the imagePRESS Server G100, making it the best choice for production environments.



2. Flexible variable data printing (VDP) services

The robust, open, flexible, and scalable Fiery solution supports all leading VDP formats including PDF-VT, 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. Perfect PDF printing in a pure PDF workflow

Fiery external servers include the Adobe® PDF Print Engine (APPE) interpreter for end-to-end native PDF workflows. This allows consistency and flexibility from design to output in hybrid digital and offset print environments, and also ensures correct representation of colour spaces and transparencies.

ADOBE® PDF PRINT ENGINE

imagePRESS Server H300 only: Standard features (continued)

4. Inline tab separations

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.

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5. A way to offer pad printing

With external Fiery servers, operators can print pads with ease from a single-page job, and with minimal manual collation of the printed output.

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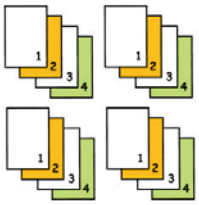
6. Integration with transactional printing workflows

The Fiery external server can adapt to legacy transactional printing workflows with features such as Set Page Device to define media pulls and map the output destination, and Sequential Print to ensure the order of the final output is correct.



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7. Windows® 10 OS flexibility

Fiery external servers comply with the latest corporate IT standards and provides more efficient administration and implementation of security patches. You can also easily implement standard industry practices such as running anti-virus software.

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8. Fiery QuickTouch™ software

The imagePRESS Server H300 features the new 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.

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9. Unified user interface

Save time and work more efficiently by using the power of "Unity Display" to switch between Command WorkStation workflow screens and the imagePRESS Server H300 control panel to control the job queue and adjust engine settings remotely.

imagePRESS Server H300: Optional features

External Fiery servers offer 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 imagePRESS Server G100.

1. The ability to identify and troubleshoot file problems before it's too late

Fiery Preflight, a feature in the Fiery Graphic Arts Package, Premium Edition, quickly checks for missing spot colours, VDP elements, or low resolution images. It prevents problem jobs from printing and helps troubleshoot issues faster.

2. A centralised production workspace for operators

Operators can make pre-production changes from the Fiery NX Station, a higher-efficiency, ergonomically designed work area. The monitor displays the Fiery Ticker for an at-a-glance view of the printing status at a distance. The Fiery NX Station LS model has an adjustable work-area height and operator proximity sensor.

3. 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.

4. 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, NCR creation, ticket numbering, plus hard-copy scanning and cleanup. This allows you to produce jobs completely inline and reduce labour costs on manual job assembly tasks.

imagePRESS Server G100 : Optional features

While these features are standard on external Fiery servers, you may add them as options to the imagePRESS Server G100 by purchasing the Fiery Productivity Package or stand-alone software tools. Be sure to compare the cost of the imagePRESS Server G100 with the additional software added for a more accurate comparison to the imagePRESS Server H300.

1. Automated Web-to-Print submission, and integration with EFI MIS systems

Fiery servers are the only DFE 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 Agfa Apogee, Heidelberg Prinect and Kodak Prinergy. This helps you more efficiently deliver job specifications, update job status in real time, track job costing data and validate equipment usage.

2. 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®.

3. Full control of your print queue for changing job priorities

Print/Process Next, Rush Print and Schedule Printing offer a variety of advanced queue management features to control and adjust print priorities on the fly.

Server comparison

FIERY SERVER	EXTERNAL- IMAGEPRESS SERVER H300	EMBEDDED- IMAGEPRESS SERVER G100
Fiery System Software	Fiery FS200 Pro	Fiery FS150
Fiery Platform	NX Pro	E[800]
CPU	Intel® Core™ i5-4570S Processor, 2.9 up to 3.60 GHz with Turbo, Quad Core	Intel® Pentium G850 Processor (2.90 GHz)
Operating System	Microsoft Windows 10	Linux
RAM / Hard Disk Drive (HDD)	4 GB / 1 TB SATA	2 GB / 500 GB SATA
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™	Fiery FreeForm
Adobe® PDF Print Engine (APPE)	INCLUDED	Not Available
Set Page Device, Sequential Print	INCLUDED	Not Available
PDF/X Output Intent	INCLUDED	Not Available
Pad Printing	INCLUDED	Not Available
Insert Tab	INCLUDED	Not Available
FEATURES AVAILABLE IN OPTIONAL FIERY PACKAGES		
Integration to EFI MIS and Web-to-Print systems	INCLUDED	OPTIONAL with Fiery Productivity Package
Rush Print, Schedule Printing, Print and Process Next, Image Enhance Visual Editor, Fiery JDF	INCLUDED	OPTIONAL with Fiery Productivity Package
ImageViewer, Configurable Auto Trapping, Control Bar, Graphic Arts Filters for Hot Folders Postflight Report, Paper Simulation (w/ white point editing)	OPTIONAL with Fiery Graphic Arts Package, Premium Edition	OPTIONAL with Fiery Productivity Package
Fiery JobFlow Base	FREE	FREE with Fiery Productivity Package
Fiery JobFlow	OPTIONAL	OPTIONAL with Fiery Productivity Package
Fiery Preflight, Halftone Simulation, 2-Colour Print Mapping, Progressives	OPTIONAL with Fiery Graphic Arts Package, Premium Edition	Not Available
Fiery NX Station GL (Fiery work stand, Fiery Ticker, 22" monitor, wireless keyboard and mouse)	OPTIONAL	Not Available
Fiery NX Station LS (Adjustable height Fiery work stand, proximity sensor, Fiery Ticker, 27" monitor, wireless keyboard and mouse)	OPTIONAL	Not Available
Fiery JobMaster	OPTIONAL	Not Available

For more information on all of the features, see the imagePRESS Server H300 and G100 datasheets.

Visit the Fiery Graphic Arts Package, Premium Edition and Fiery Productivity Package web pages for more information on features included in each package.

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We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalised 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.
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