

Canon imagePRESS Server B5100 vs. B4100

The right choice for your customer

Canon® offers two Fiery® servers designed for the Canon imagePRESS C10000VP/C8000VP: the imagePRESS Server B5100 and the imagePRESS Server B4100. These two solutions address the speed and throughput required by different production environments. This document will help you identify the correct solution for your customer.

When either Fiery server is appropriate

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 workflow 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.

Powerful makeready solutions

Both servers include software to simplify labor intensive document composition and imposition tasks from any Windows or Mac client.

Compatible with industry standards

Fiery servers support the most industry standards, including:

- EFI FreeForm™
Free, entry-level VDP technology
- PPML 2.0/2.5/3.0
- 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





When to choose the Canon imagePRESS Server B5100

Your customers demand shorter run lengths and faster turnarounds

A high-powered DFE, such as the imagePRESS Server B5100, processes and continuously drives the digital press to minimize engine idle time and utilize maximum engine capacity.

The imagePRESS B5100 features the exclusive Fiery HyperRIP, a unique 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. An operator can select from two modes including single jobs mode which allows a single job to be split into four logical parts for parallel processing of pages in the job, and multiple jobs mode which allows the server to RIP up to four jobs at the same time for faster throughput.



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 DFE, the imagePRESS Server B5100, which comes standard with Fiery Graphic Arts Package, Premium Edition. This application provides extensive prepress proofing capabilities with features such as preflight, postflight, halftone simulation, control bars, and ability to process files with a large variety of prepress file formats. ImageViewer is also included for fast local and remote soft-proofing tools with amazing preview and powerful color editing capabilities in Fiery Command WorkStation®.

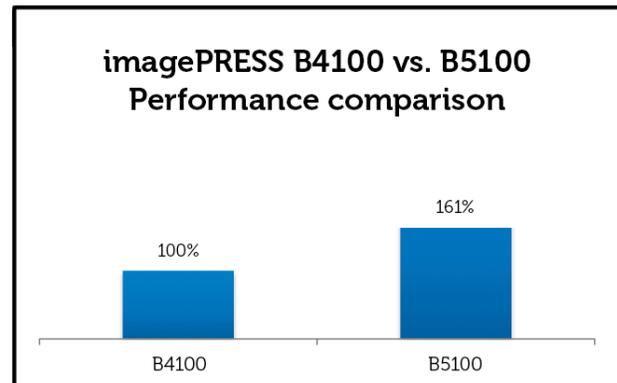
Meet increasing demand for variable data printing

Ensure that your customers are prepared to meet the increasing demand for variable data printing (VDP) over the life of the lease. Both the imagePRESS B5100 and B4100 Servers support all leading VDP formats and work with all leading variable data composition software and data formats. However, the additional speed of the imagePRESS B5100 enables printing at maximum productivity for even the most complex VDP jobs.

Ability to efficiently handle current and future complex and graphics-intensive files

The imagePRESS Server B5100 provides more power to cost-effectively handle the additional processing required to manage color and images in complex files with multiple layers, transparencies, and overprints.

The imagePRESS Server B5100 is 61% faster than the imagePRESS Server B4100, making it the best choice for demanding production environments and future-proofing your customer's investment.





Key comparative features

FEATURE	IMAGEPRESS B5100	IMAGEPRESS B4100
Fiery platform	QX ¹⁰⁰	PRO ⁹⁰
Fiery software	Fiery FS200 Pro	Fiery FS200 Pro
Processor	2 x Intel® Xeon® Processor E5-2637 v4 3.50 GHz	Intel® Core™ i7-4770S Processor 3.1 GHz
Operating System	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB
Memory	16 GB	4 GB
HyperRIP	INCLUDED	N/A
Hard disk drive	2 x 1TB SATA + 500 GB SATA	1 TB SATA
Fiery Impose-Compose	INCLUDED	INCLUDED
Fiery Graphic Arts Package, Premium Edition	INCLUDED	OPTIONAL
ImageViewer	INCLUDED	OPTIONAL
Automatic preflight	INCLUDED	OPTIONAL
Postflight	INCLUDED	OPTIONAL
Paper simulation	INCLUDED	OPTIONAL
Halftone simulation	INCLUDED	OPTIONAL
2-Color print mapping	INCLUDED	OPTIONAL
Configurable auto trapping	INCLUDED	OPTIONAL
GA filters for Hot Folders/Virtual Printers	INCLUDED	OPTIONAL
Control Bar	INCLUDED	OPTIONAL
Progressives	INCLUDED	OPTIONAL
Fiery Color Profiler Suite w/ES-2000 Spectrophotometer	OPTIONAL	OPTIONAL
Fiery JobMaster™	OPTIONAL	OPTIONAL
Fiery JobFlow™	OPTIONAL	OPTIONAL
JobFlow Base	INCLUDED	INCLUDED

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