



HP SmartStream Production Plus Print Server, Powered by Creo

Overview

The HP SmartStream Production Plus Print Server, Powered by Creo, provides general commercial printing functionality within the HP SmartStream print server portfolio. Designed for general commercial printers, the print server offers added value and a complete graphic arts feature set for out-of-the-box job control and editing in single- and multiple-press environments. Building on the production capabilities of the HP Indigo Production Stream Server, the new HP SmartStream Production Plus Print Server is compatible with HP Indigo commercial sheetfed presses, including the new HP Indigo 7000 Digital Press.

The HP SmartStream Production Plus Print Server is the next-generation print server and IT solution for HP Indigo general commercial print applications, including brochures, direct mail, books and manuals, and light photo merchandise.

With a host of new features designed to increase productivity and profit potential for commercial print service providers, this new server is a complete digital front-end (DFE) solution offering high performance through a scalable rack architecture, as well as support for Personalized Print Markup Language (PPML), Variable Print Specification (VPS), Optimized PDF and Postscript formats. Among the innovative offerings are tools for Job Definition Format (JDF) ticketing, full ICC and GCR color management, spot-color editing and pre- and post-raster image processing (RIPing) enhancement.

New features developed exclusively for the HP SmartStream Production Plus Print Server include advanced color support of HP Indigo 5-7 spot color emulation, enhanced imposition and trapping tools, support for multiple-substrate automation, and advanced hybrid offset/digital production support.

The server is available in three configurations: An IN100 model to support the HP Indigo Digital Press 7000, and IN040 and IN080 models that support the HP Indigo presses 5xxx, 3xxx and UltraStream, with the IN040 configured to support one press and the IN080 model configured to support two presses simultaneously.

Key features and benefits

- Scalable configurations for control and management of up to six HP Indigo 7000 Digital Presses or up to 12 HP Indigo presses models 1050 through 5500
- Workflow integration and VPS compatibility for users of PRINERGY, BRISQUE and SYNAPSE workflow management systems
- Seamless integration with industry-leading workflow systems via Creo Color Server's workflow and VDP partnership programs
- PrintLink protocol for the HP Indigo 7000 Digital Press, enabling separation of

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prepress tasks from printing to facilitate greater operator and pressroom productivity

- Rapid data transfer of data including job file, ink settings, color management settings and media information to presses and to print shop MIS operations
- Enhanced, JDF-based support and integration with users of Agfa :ApogeeX and other popular graphic arts industry workflow systems
- Multiple substrate support for automated variable-data printing workflows
- New imposition engine with template builder
- PANTONE®-licensed support for PMS and Goe systems for HP IndiChrome Plus (CMYKOVG) as well as CMYKOG and CMYKVG color spaces
- Full ICC and GCR color management
- Enhanced gradation in up to seven colors

A powerful workflow component in the HP SmartStream family

HP SmartStream is a graphic arts portfolio of components that help customers create production workflow solutions to meet a broad range of market segments and application needs. The HP SmartStream portfolio provides end-to-end workflow management, from job creation to fulfillment. Combining HP SmartStream and partner components results in greater flexibility with specific solutions to address key market segments that are customizable and scalable to customers' unique business needs.

HP SmartStream Production Plus Print Server specifications

- HP Indigo presses supported: Base (IN040, IN080) configuration – HP Indigo presses 5500, 5000, 3500, 3050, 3000, 1050, 1000 UltraStream. Enhanced (IN100) configuration – additional support for HP Indigo 7000 Digital Press
- Input file formats: Base configuration – Adobe® PS Level 1,2,3, Native PDF, EPS, TIFF, TIFF/IT, JPEG, CT/LW, *assign, VPS, PPML 2.1, Optimized PDF. Enhanced configuration – additional support for PDF 1.7, PDF/x-1a:2001, PPML 2.2, GIF, DCS, DCS 2, VDX, Optimized PS
- Font formats: fType 0, 1, 2 (CFF), 3, 4, 32, 42, CID Fonts, demand loadable fonts
- Operating system software: Microsoft Windows® 2003 server, R2
- Client OS versions: Windows XP, Vista®, Windows 2003, Win2K, Mac-OS 10.4 and up
- JDF compatibility: Base configuration – Support for Digital ICS version 1.1a. Enhanced configuration – additional support for Digital ICS version 1.3
- Networking: TCP/IP, AppleTalk
- Languages supported: English, French, Italian, German, Spanish
- Submission methods: Hot folders, spooling, internal connectivity, JDF, import
- RIP core: Base configuration – Adobe CPSI version 3015. Enhanced configuration – Adobe CPSI version 3017
- Color and color separations: Device link support, ICC version 3.0, device link profiles, CMYK+3 spots, CMYKOV + 1 spot, HP Professional Pantone Emulations. Enhanced configuration – additional support for ICC version 4.0, Pantone Goe, CMYKOVG,

CMYKVG, CMYKOG

- PANTONE Colors: Pantone PMS and Goe certified color tables – Pantone emulation for CMYK with ICC profiles optimized simulations for both the press and the specific media. HP Professional PANTONE emulation technology enables accurate CMYK simulation of PANTONE Colors, using PANTONE solid color names from graphic elements throughout the printing, proofing and production processes
- Hardware: ML350 G5 Platform, Core Intel® Xeon® E5420 processor (2.50 GHz, 80 watts, 1333 FSB), 1 Memory (2x 1GB), Drive controller DVD RW, 5 x HDD SATA 250 GB, network card

Availability

The base configurations of the HP SmartStream Production Plus Print Server, Powered by Creo (IN040 and IN080), is expected to be available worldwide in May. The enhanced configuration HP SmartStream Production Plus Server, Powered by Creo (IN100), is expected to be available worldwide in August.

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