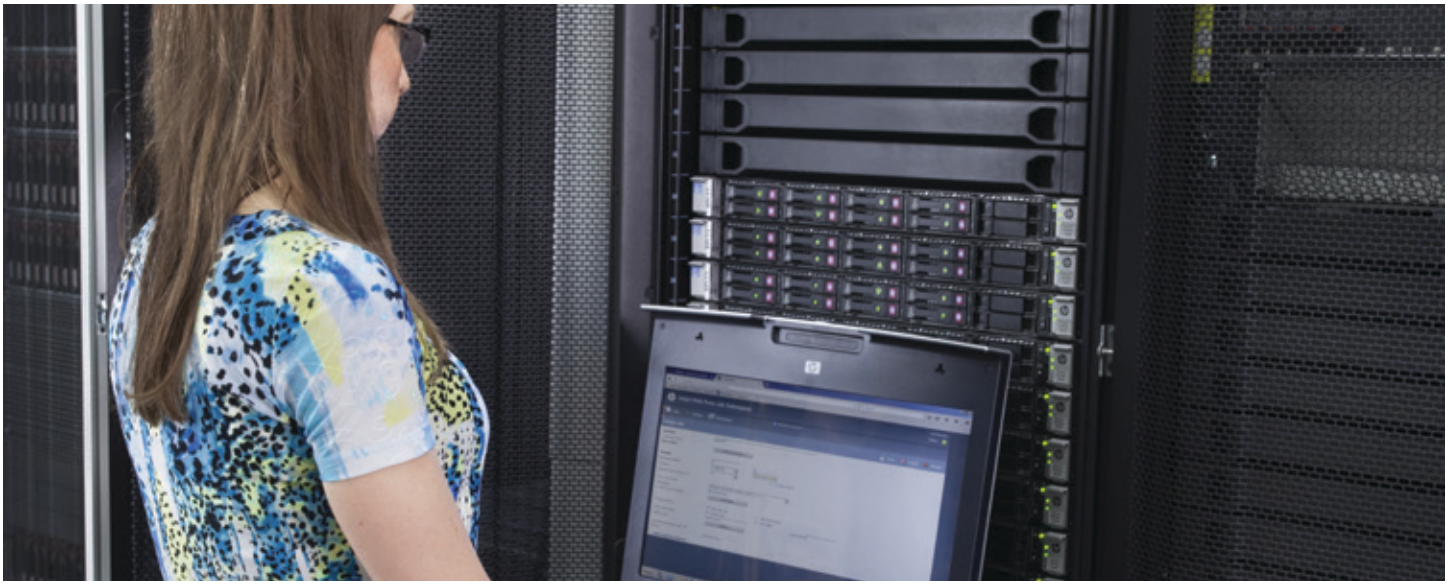
Data sheet

HP SmartStream Production Elite Print Server

For HP PageWide Web Presses



Designed for high-volume digital printing, this reliable, high performance print server automates and streamlines print production on any HP PageWide Web Press

Combine high performance with very high quality output

The HP SmartStream Production Elite Print Server is a scalable RIP that is uniquely architected to handle the toughest jobs today and grow even further along with your business, making it a solid investment.

The built-in Print Engine Controller synchronizes the DFE to the press, supporting a wide variety of advanced press features and applications.

Protect your investment

Expand and adapt as requirements evolve and your business grows

- Progress from high copy counts, to short runs, to run-of-one applications
- Expand from static data, to versioning, to complex VDP and personalization
- Increase performance with future press speed upgrades

Process digital print jobs at production speeds

Enjoy outstanding performance that translates into increased profitability for you and your customers. Fast data processing means you can print even the most complex pages at full engine speeds.

High performance image rendering, dynamic color management, and the application of a bonding agent (when applicable) produce very high quality image output.

High performance workflow

Workflow connectivity options easily integrate with your existing network and workflow application infrastructure. Connect via hotfolders, XML, JDF job tickets, or the HP job submission application.

Large job capacity, a high-speed data pipeline, and an optimized interface for integration with the HP SmartStream Production Center enable flexible and efficient workflows such as short run and run-of-one applications.

Choose 'RIP-and-Print' for immediate output, or 'RIP-and-Store' to hold jobs for future printing.

Count on HP reliability

Experience the peace of mind provided as this optimized Digital Front End (DFE) delivers high-volume throughput for "assembly-line" production with any HP PageWide Web Press.

Built from rock-solid HP ProLiant servers and network products that have been field proven in mission critical IT environments, it delivers trustworthy job processing and solid performance when delivery is crucial. The fault-tolerant architecture is able to resist server and disk failures without shutting down production.

Durable lights-out operation enables added flexibility and protection, letting you move the server away from the busy press floor to a secure remote location. An optional UPS safeguards against data loss due to power outage or poor power input.

RIP Processing Unit (RPU) Sizes

DFE performance level	Distributed/ shared pre & post RIP storage	Number of RIP servers
10	66 TB	15
9	52.8 TB	12
8	39.6 TB	9
7	26.4 TB	6
6	22 TB	5
5	17.6 TB	4
4	13.2 TB	3
3	8.8 TB	2*
2	8.8 TB	2*

* Allocation of server resources varies

Our scalable RIP technology optimizes the print server size according to your applications and performance expectations

The application server handles JDF/JMF communication, imposition processing, and the Ink Estimator tool

Embedded scalable imposition lets the printing device perform late-stage imposition at engine speeds. It takes advantage of the full width and power of your press with its unique web merge capability that allows multiple jobs to be run side by side on the same web.

Technical specifications

Supported HP PageWide Web Presses	T200, T230, T260, T300, T350, T360, T400, T410, T470 HD, T480 HD, T490 HD, T240 HD, T400S, T1100S
Input file formats	Portable Document Format (PDF) files are supported: PDF 1.3-1.7, PDF/X-1a:2001, PDF/X-1a:2003, PDF/X-3:2002, PDF/X-3:2003, PDF/X-4, PDF/VT-1
Hardware platform	HE9 Compute Stack housed in an HP 10642 G2 Shock Universal Rack along with the IHPS Press Electronics for T200 presses IHPS Press Electronics are housed in a second HP 10642 G2 Shock Universal Rack for T300 and T400 presses
Core components	Power module, network switch, VPN router
Local display	HP LCD8500 1U Rackmount Console Kit with a 18.5-inch WXGA TFT LCD
User interface	HP PageWide Web Press Job Submission client allows local (at the press) or remote job queue access
Processor hardware Specs shown are standard. Occasionally the exact model may be substituted with a server of higher specifications.	**PreRIP Server & Application Server (JDF, Imposition, Ink Estimator)** HP DL360 Gen9 E5-2660v3 (2.6 GHz, 10-core, 128 GB RAM, Win Server 2008) **RIP Processing Unit (RPU)** HP DL360 Gen9 E5-2660v3 (2.6 GHz, 10-core, 128 GB RAM, RHEL 6.2 OS) **Press Control Server (PCS)** HP DL360 Gen9 E5-2660v3 (2.6 GHz, 10-core, 256 GB RAM, RHEL 6.2 OS) **Print Engine Controller Servers (two required for duplex)** HP ML350 Gen9 E5-2643v3 (3.4 GHz, 6-core, 128 GB RAM, RHEL 6.2 OS)
RIP core	Global Graphics Harlequin Host Renderer (HHR) 4.0r1 IHPS OEM Version
JDF/JMF support	Integrated Digital Printing ICS 1.3 (included)
Color profile support	ICC version 4.0, device link profiles
Software included	Ultimate Impostrip OnDemand Scalable Server Edition Ultimate Impostrip OnDemand Digital Automation Ultimate Impostrip XML Redirection Module HP SmartStream Web Press Ink Estimator
Operating environment	Refer to HP ProLiant Server QuickSpecs on hp.com/go/ProLiant, or consult your HP Solutions professional for detailed information

Value-added product options

Uninterruptible Power Supply (UPS)

- Provides protection against data loss due to a power outage or poor power input.
- Contains: HP Parallel 3 Phase Uninterruptible Power Systems (UPS RP36000/3), plus three HP UPS R8000/3 R12000/3 Extended Runtime Modules. It supports all print server levels.

Support and service contracts

HP offers a wide variety of post warranty support and service contracts for all its Digital Presses and Digital Front End (DFE) workflow systems, including Full Maintenance Support and Shared Maintenance Support Programs.

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