



HP SmartStream Production Elite Print Server

For all HP PageWide Web Presses

Now featuring HE10 compute system hardware and PCR 5 press code software



Print server subsystems:

HE10 Compute Stack Hardware:

- DFE with Scalable RIP & Application servers
- Print Engine Controllers (PEC): 1-simplex, 2-duplex
- Press Electronics

PCR 5 Press Software

A Solid Investment

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.

Upgradability protects your press investment into the future, keeping presses relevant with performance improvements and addition of new features.

Expand and adapt as requirements evolve and your business grows.

Digital Front End (DFE) Productivity

- Fast DFE feeds high performance industrial web presses at full engine speeds
- Drives the highly productive HP PageWide Web Presses: T2XX, T3XX, T4XX & T11XX
- Drives presses running Performance or HDNA Quality modes
- Scalable RIP raises the ceiling for processor power: from simple static jobs up to the toughest variable, short run, print-to-order, and corrugated jobs

Press System Versatility

- Rack choices: standard rack for remote “lights out” locations or press side rack
- Press controls integrate with a variety of inline or nearline finishing devices; including continuous multi-roll printing systems
- Document processing for MICR, bonding agent, HP Optimizer & preprinted forms
- Print engine controller maintains data to press synchronization & registration
- Workflow connectivity options: PrintOS API, JDF/JMF, Hotfolders, XML, SDK

Quality & Reliability From A Trusted Source

- Proliant server & network technology is field proven in critical IT environments
- Standard UPS backup safeguards against lost or poor quality power
- Offset quality produced with HP High Definition Nozzle Architecture (HDNA)
- Press electronics delivers nozzle redundancy that eliminates jetouts
- Applies optional bonding agent or HP Optimizer to bring out the quality on uncoated media
- Dynamic color profiling and ink reduction fine-tunes the look at the right cost

Scalable RIP optimizes the print server's size according to your applications

The Base DFE for each press model supports the most common applications. Additional server modules are added as needed to attain additional performance.

RIP Processing Unit (RPU) Sizes

DFE performance level	Distributed/shared preRIP & RPU storage	Number of RPU servers
T2XX Base	19.2 TB	3 RPU
T3XX/4XX Base	28.8 TB	5 RPU
T11XX Base	48.0 TB	9 RPU
*Add a Server	4.8 TB	1 RPU

*At 42U tall, the Standard Rack holds up to 9 RPU servers. A second rack can be added for further expansion.

*At 47U tall, the PSR holds up to 12 RPU servers
Note: two PSR racks cannot be linked together and still maintain the environmental advantages.

Application Server

Pre-installed software for JDF/JMF communication, imposition processing, and Ink Estimator

PrintOS Ready

Connect to the PrintOS Software as a Service platform

Optimized connection to PrintOS Site Flow's powerful production management & workflow software

Complementary access to press optimization applications:

- Print Beat for PWP, Insight, Knowledge Zone, Service Center, Marketplace, and more...

Technical specifications

Supported presses	All PageWide Industrial T2XX, T3XX, T4XX & T11XX presses
HE10 Compute Stack	Generation 10 server based hardware system consisting of DFE Servers, PEC Servers, Press Electronics with firmware, power distribution, network infrastructure, UPS and Rack Enclosure
Networking	Local Area Network (LAN) and Wide Area Network (WAN) connections. Cisco® network compatible.
PCR 5	Press Code Release - core software supporting the HP PageWide Web Press
Input data formats	Portable Document Format (PDF) - Self-contained PDF printable content 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/X4, PDF/VT-1, PDF 2.0
Cabinet options	Standard Rack for remote IT environments: 42U, HP 642 1200mm Shock Intelligent Rack with Rack Stabilizer Kit Dim: W 23.54 in (597.8 mm) x L 51.19 in (1300.2 mm) x H 78.98 in (2006.6 mm) Weight: 1300 lbs (589.67 kg) - Print servers with large RIP capacity can be expanded into a 2nd rack Optional Press Side Rack (PSR) - 47U, environmentally controlled Rittal TS IT Dynaload Rack with shock pallet, filter and cooling unit. Weight: 1600 lbs. (725.74 kg) - Note: Press Side Racks cannot expand to multiple racks
Uninterruptible Power Supply (UPS)	Provides controlled shutdown protection against data loss due to a power outage or poor power input. Supports all DFE sizes. Standard for all systems.
Local display	HP LCD8500 1U Rackmount Console Kit with a 18.5-inch WXGA TFT LCD
User interface	HP PageWide Web Press Job Submission Tool - this client software enables job related tasks and queue access either at the press or remotely
Processor hardware	PreRIP Server & Application Server - HP DL360 Gen10 (Dual Intel® Xeon-Gold 5118 2.3 GHz, 12-core, 128 GB RAM, Windows 2016) RIP Processing Unit (RPU) - HP DL360 Gen10 (Dual Intel® Xeon-Gold 5118 2.3 GHz, 12-core, 128 GB RAM, RHEL 7.4) Press Control Server (PCS) - HP DL360 Gen10 (Dual Intel® Xeon-Gold 5118 2.3 GHz, 12-core, 256 GB RAM, RHEL 7.4) Print Engine Controller (PEC) Servers - HP ML350 Gen10 (Dual Intel Xeon-Gold 6130 2.3 GHz, 12-core, 64 GB RAM, RHEL 7.4)
RIP core	Global Graphics Harlequin Host Renderer (HHR) v12.1r2
MICR & Bonding Agent	Drives the MICR, Bonding Agent, & HP Optimizerr press writing systems options
Color profile support	ICC version 4.0, device link profiles
Application Software included¹	Ultimate Impostrip OnDemand Scalable Server Edition ¹ Ultimate Impostrip OnDemand Digital Automation ¹ Ultimate Impostrip XML Redirection Module ¹ HP SmartStream Web Press Ink Estimator
Operating environment	Temperature: 50 degrees to 77 degrees F (10 degrees to 25 degrees C) Humidity: 10 to 90% (non-condensing) Consult your HP Solutions professional for more information
Security Support	Virus scanning for Windows and Linux, monthly security patches, & vulnerability mitigation backed by HP cybersecurity experts

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

¹ Ultimate not used for packaging presses T400S & T11XX

Learn more at
hp.com/go/pagewidewebpress

