

# AlphaStream Controller

SPECIFICATIONS

Ultimate Flexibility and Processing Power for  
Xerox® Trivor® 2400 Inkjet Presses

**made  
to  
think.**



Support your diverse data streams from a single controller, with the aggressive, all-in-one performance and advanced control that high-volume inkjet production demands.

## PROCESS MULTIPLE DATA STREAMS WITH ONE POWERFUL, SCALABLE RIP

With full, single-source support spanning PDF, PostScript®, AFP™ and IPDS™, AlphaStream will simplify your production process while boosting control with a robust set of built-in features and capabilities.

## POWER TO SPARE

Maintain production speeds at high coverage, even when running complex imagery and variable data—and at the fastest configurations of up to 656 feet (200 m) per minute. Processing is ultra fast and efficient with AlphaStream's zero transform, direct data stream support.

This lightning-fast processing means you can move functions such as imposition and color management to the RIP, freeing up valuable prepress resources while exponentially speeding your time to print.

## SIMPLE JOB MANAGEMENT

Manage, schedule, and change jobs through the print queue, chaining any of the supported job types in any order. Even hot folders are supported for automated job submission directly to the printer with no operator intervention. AlphaStream flexibility saves time and keeps production flowing.

## REPEATABLE AND HIGHLY ACCURATE COLOR

In collaboration with industry leader CGS-Oris, the AlphaStream Controller provides an optional, state of the art, automated color management solution that lets you quickly, accurately, and consistently reproduce any print resolution on your press. Match colors to standards such as FOGRA and GRACoL. Achieve accurate and repeatable color over time, across papers, and across devices—regardless of print process.

An optional Ink Saver Module reduces cost while maintaining a high level of quality. Using sophisticated algorithms, it optimizes the black separation to improve color quality by using less CMY ink. This reduces overall ink usage as well as aids in drying.

## ALPHASTREAM AT-A-GLANCE



### Flexibility

Supports both PDF and IPDS, dramatically expanding job-type capabilities



### Integrated Color Management

Precise, optimized color rendition on every job



### Ink Estimation

Eliminates test print waste and time while quickly and accurately predicting ink usage to better manage production costs



### Document Enhancements

Powerful automation enabler, refining and enhancing use of forms, barcodes, banner pages, blank pages, bookmarks and more

**xerox**™

**HARDWARE/PLATFORM****Dell® PowerEdge® R440, 1U with 2.5" Hard Drives**

- 2 x CPU Intel XEON Silver 4116 (2.1 GHz, 12C/24T, Cache 16 MB, 9,6 GT/s)
- 12 x 8Gb RDIMM, 2667MT/s
- 1 x PERC H730+ RAID Controller, 2GB NV Cache
- 2 x 800GB Solid State Drive SATA Mix Use MLC 6Gbps
- 1 x network card Intel® X710, Double port, 10Gb, SFP+
- Windows Server 2016 standard OEM. 16 cores + 4 x 2 core packs
- Energy Star rated

**Node hardware configuration based on engine configuration**

- Mono or color simplex—quantity 2
  - Color duplex—quantity 3
  - Dual channel color duplex—quantity 6
- Windows® PC is required to install and run the remote client version of the user interface.

**SUPPORTED CONFIGURATIONS**

- Xerox® Trivor® 2400 Inkjet Press
  - High Density (HD) and High Fusion (HF) Ink
  - Mono and Color configurations

**DATA FORMATS****PDF Compatibility**

- JDF / JMF support
- PDF Mono and Multipages (v1.3 through v1.7)
- PDF/X-1a, PDF/X-3, PDF/X-4 and PDF/X-5
- PDF/VT with or without transparency, version 1.0
- Ghent workgroup specification compliant

**Optional IPDS™ Compatibility**

- Text: PTOCA PT1, PT2, PT3 and PT4
- Images: IM Image; IO Image IOCA FS10, FS11, FS40, FS42 and FS45; Containers Image TIFF (mono and multipages), JPEG, JPEG 2000, GIF, PDF (mono and multipage with or without transparency), PNG and SVG
- Vector commands: GOCA DR/2V0 and GOCA GRS3
- Fonts: LF1 SBCS/DBCS, LF3 Type 1 PFB technology and CID-keyed technology, Containers TTF, OTF and TTC
- Barcodes: BCOCA BCD1 and BCD2

**Compatible IPDS Hosts**

Compatible with the main hosts on the market including (but not limited to):

- Quadient™/GMC Inspire™
- Compant DocBridge® Mill
- Solimar® Print Director™ Enterprise
- ISIS Papyrus

**Optional PS Compatibility**

- Mono and multipages
- Level 3

**Optional AFP Compatibility**

- Compliant to the AFP Consortium IS/3 (MO:DCA interchange set 3)
- Compliant to the AFP Consortium MO:DCA GA (Graphic Arts) Function Set

**Additional PDF / PS Functionality**

- Automatic insertion of blank pages on backside (simplex job/duplex printer),
- Flush line insertion
- Page Rotation
- Page Imposition
- Banner Pages
- Merge production file with background or foreground PDF, TIFF or JPEG
- Management of adding matrix 1D or 2D barcodes, using prefix, suffix, increment

**JOB MANAGEMENT**

- Hot folder job submission and print queue management
- Individual job status management and scheduling
- Automatic deletion of retained print files
- Chain up of different jobs (AFP, PDF, PS and IPDS) in any order
- Submission of multiple PDF files as single job, reordering print order
- Job accounting
- Native JDF / JMF support

**COLOR MANAGEMENT**

- Supports all available resolutions of the printer: 360x600, 600x600, 1200x600 and VHQ mode
- Full color flow accepted: CMYK, RGB, CIElab, YCbCR, YCrCb
- Optimized inkjet stochastic screening embedded
- Color management toolkit for ICC profile creation (optional)
- Selectable rendering intents
- Color Mapping Tables for PDF: Spot colors and CMYK/RGB
- Color Emulations: Fogra, SWOP, GRACol, and Japan Color

**COLOR MANAGEMENT OPTIONS****CGS-Oris Color Management Plug-ins:**

- Color Management Module: iterative color profiling, device link profiles, iterative spot color management, and embedded profiles (option)
- Ink Saver Module (option)

**INK ESTIMATION**

- Supports all data streams—PDF, PS, AFP, IPDS
- Accuracy within 1–2% of MMI data—measured post-RIP with all settings and inputs comprehended
- Supports Device Links
- Embedded in DFE (standard) or stand-alone client (optional)

**NETWORK ENVIRONMENTS/ PROTOCOLS**

- 1 GB Ethernet

**REGULATORY AGENCY APPROVAL**

Meets or exceeds the following requirements:

- Safety: CB-scheme, UL (TUV/CU mark), CAN/CSA (TUV/CU mark), TUV/T-mark
- Emissions/Immunity: FCC, ICES, EN55022, RCM mark, EN55024, EN61000-3-2, EN61000-3-3

**POWER**

Depending on the configuration:

- Minimum: 900 W 4.5 A (3071 btu/h)
- Maximum: 2700 W 13.5 A (9213 btu/h) 200–240 VAC 50/60 Hz

**DIMENSIONS/WEIGHT**

- Weight: Depending on the configuration—ranges from 320 to 529 lb (45 to 245 kg)
- Dimensions
  - Width: 23.6" (600 mm)
  - Height: 44.1" (1120 mm)
  - Depth: 44.5" (1,130 mm)

\*Confirm specific configuration availability with your Xerox representative.

For more information on the AlphaStream Controller, please contact your Xerox representative, call **1-800-ASK-XEROX** or visit us online at **www.xerox.com**.