

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 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 colour 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 COLOUR

In collaboration with industry leader CGS-Oris, the AlphaStream Controller provides an optional, state of the art, automated colour management solution that lets you quickly, accurately and consistently reproduce any print resolution on your press. Match colours to standards such as FOGRA and GRACol. Achieve accurate and repeatable colour 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 optimises the black separation to improve colour 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 Colour Management

Precise, optimised colour 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****6.35 cm 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 colour simplex – quantity 2
 - Colour duplex – quantity 3
 - Dual channel colour 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 Colour 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™
- Compart 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

COLOUR MANAGEMENT

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

COLOUR MANAGEMENT OPTIONS**CGS-Oris Colour Management Plug-ins:**

- Colour Management Module: iterative colour profiling, device link profiles, iterative spot colour 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: 600 mm
 - Height: 1120 mm
 - Depth: 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.