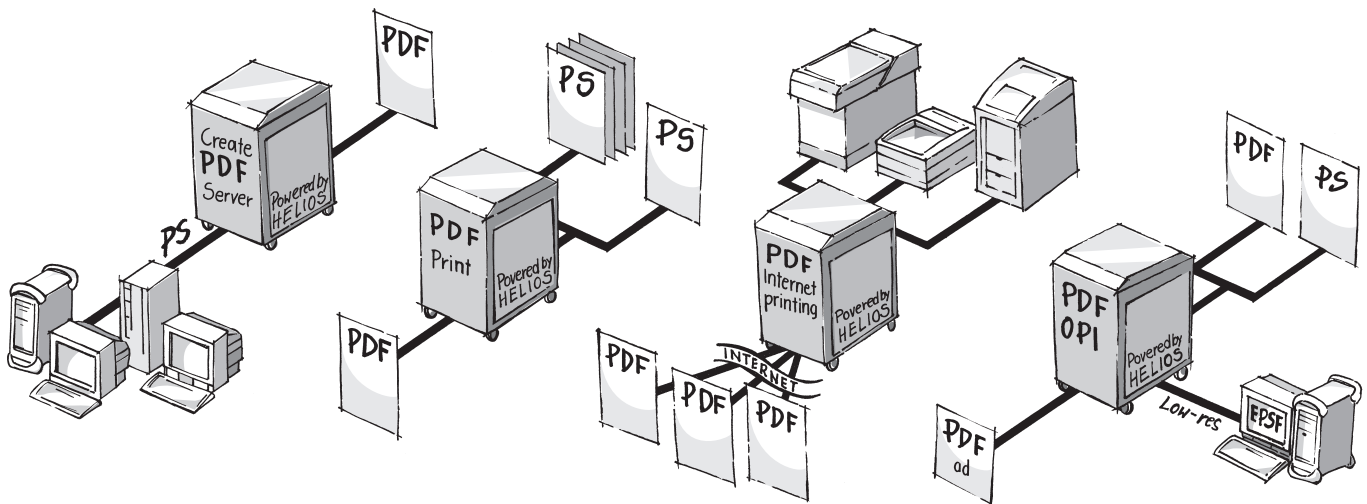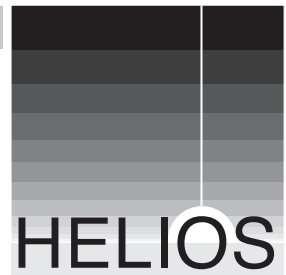# PDF HandShake UB+

Create PDF Server · PDF Preflight · PDF Printing · PDF OPI

HELIOS

HELIOS PDF HandShake UB+ fully utilizes the benefits of PDF in existing production environments. Automated server-based PDF generation, PDF printing, PDF OPI, PDF preflight and batch tools boost productivity, and overcome today's PDF problems.

Create PDF Server is a highly automated server-based PDF creation solution. Mac, Windows and UNIX clients can print to a Create PDF printer queue which automatically creates PDF documents of any PostScript print job. Simply set up various print queues, each corresponding to a specific set of job options. This solution is able to automatically utilize multiple servers for the PDF creation, and scales from a few users to hundreds of users.

Smart ICC Color Management can color match every object within a PDF. Properly converts PDF to CMYK, with ability to detect and preserve raster and vector black, gray, white and pure CMY colors. Perfect to color-normalize PDFs. Source profiles, printer and proofer profiles and ICC rendering intents can be specified.

PDF HandShake Printing offers correct separations and composite PDF printing on any PostScript output device. PDF HandShake capabilities include printing registration marks, custom page sizes, printing always with correct fonts, conversion of embedded TrueType and CID fonts to Type 1, and more. PDF HandShake is the perfect printing solution for any PDF document. It doesn't matter if the PDF is from MS-Office, QuarkXPress or InDesign – PDF Hand-Shake printing will always print correctly.

PDF Preflight is included, with callas pdfinspektor integrated in the Create PDF printer queue and via "hot folders".

ImageServer OPI users can place EPS low-res files, which are automatically created from PDF high-res documents. During printout, the low-res files will be replaced with the PDF high-res data and printed correctly using the PDF Hand-Shake printing technology. Printing to a Create PDF queue produces high-res or low-res PDF of all OPI print jobs. PDF with OPI references is fully supported and printing to an OPI queue replaces all OPI references.

Smart Ideas for Better Networking.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote server administration from Mac, Windows and UNIX

Create PDF Server
- Uses Acrobat Distiller 4, 5, 6, 7 or 8
- Queue based workflow and settings
- Support for Win/Mac/UNIX clients

PDF Preflight
See the separate data sheet

PDF Printing
- PDF 1.7 compatible
- PDF flattening via Tool Server
- Composite, in-RIP & host separations, and proof printing support
- ICC color management
- Printing via "pdfprint" tool, server "hot folder" or Mac Acrobat plug-in
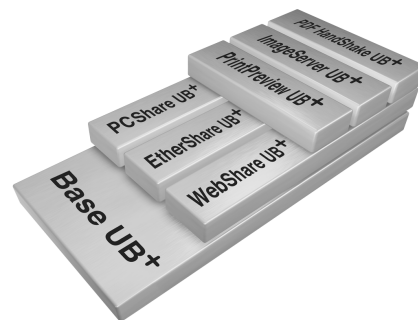
PDF & OPI via ImageServer
- PDF-native OPI with InDesign
- PDF transparency support
- EPSF low-res files from any PDF
- PDF to high-res EPSF conversion
- PDF preview generation

System Requirements

PDF HandShake on Server

- EtherShare UB+ for Mac clients, or PCShare UB+ for Windows clients, or WebShare UB+ for web clients
- PDF HandShake printing from any client via "pdfprint" tool, or Acrobat plug-ins for Mac, or via "hot folders" with optional ImageServer
- Create PDF Server requires Acrobat Distiller 4.0.5, 5, 6, 7 or 8 for Mac/Win
- Optional ImageServer for OPI and imposition features, WebShare for remote OPI and image/document previews, PrintPreview for a bitmap proof of PDF print jobs

Product Highlights

Printing

- Acrobat plug-in for printing directly from Adobe Acrobat 4-6, 8 on Mac
- "hot folder" printing from any client
- Print composite, host separated, and in-RIP separations including shadings and DeviceN
- PDF 1.0-1.7, PDF/X support
- ICC v4 support for printing
  All colors will be changed to the output color space, e.g. CMYK according to the ICC profile. Paper white will be simulated when proof printing. Supports 16-bits per channel images, DeviceLink profiles and Black Point Compensation. Embedded ICC profiles can be used or ignored
- PDF tools included for batch processing and scripting: pdfprint, pdfcat, pdfinfo, pdfnote, pdftoeps, pdfform
- Hairline correction during printing
- Grayscale, black, white, and pure CMY detection with correct output
- Grayscale detection of indexed RGB color in PDF data with correct output
- Missing fonts in a PDF document will be detected and the job will not be printed until the font is available, e.g. via the HELIOS font server
- Options: overprint black text, negative printing, ignore OPI references for PDF printing, preserve PDF halftones
- Registration marks and bleed support
- TrueType & CID Font support (at present not for double-byte CID fonts)

PDF-native OPI & PDF Repurposing

Adobe InDesign users can place OPI low-res images and export low-res documents as PDF 1.4-1.7 into a "hot folder". All OPI referenced images will be replaced with optimized and color matched originals into a high-res PDF file. Benefits are:

- Preserves PDF transparency, drop shadows and XMP meta data
- Server-based ICC color management Apply and/or embed printer ICC profiles into PDF job, to transform images for different printing processes or include high-res image profiles
- Downsample replaced images
- Compress replaced images (G4, JPEG, JPEG 2000, ZIP, etc.)
- Low-res PDF can be repurposed for multiple settings/productions
- Remote page composition Users can be provided with layout images and return complete pages for final output. HELIOS WebShare options allows web-based workflows

PDF and PostScript OPI

- EPSF layout files are automatically created from PDF documents to be used for placement and printing
- Automatic PDF replacement of OPI image references in a PDF document

PDF and Imposition

Acrobat plug-in to export low-res PDF versions of books for impositioning via PostScript imposition software.

Create PDF Server

- Automatic PDF creation via print queues on the server
- Support for Windows and Mac clients, UNIX clients via "lpr"
- Customized job options and security settings per queue allow different PDF creation settings
- Acrobat Distiller is used with HELIOS Create PDF Server on one or more dedicated Mac or Windows workstations for PDF creation
- Scalable via load balancing queues
- Centralized Create PDF queue administration within HELIOS Admin. There is no configuration required on different Create PDF Server machines

Tool Server

Integrates and automates client-based applications.

- PDF transparency flattening
- HTML to PDF conversion

See the separate data sheet

PDF Internet Printing

A Web server solution to receive PDF print jobs from users over the Internet.

Flexible Licensing Scheme

The PDF HandShake license is tied to a specific machine. The total number of licensed HELIOS users per day is permitted to use PDF HandShake.

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More details on the HELIOS Web site: www.helios.de/products/productshows.phtml

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