WinIPDS Pro

Innovative, high-quality IPDS print servers for workgroup and high volume printers

Native IPDS support for advanced finishing options.
Support for many printer/MFP brands and models through large driver collection.
Based on the unique IPDS Ultra architecture.
Services up to 256 printers simultanously.
IBM InfoPrint compatible.
Full color printing.
Supports multiple MS Windows platforms.
Postscript and PCL5e with printer-to-host feedback (Jam, paper out, counters).
Option for printing via standard Windows drivers.
Installs in a matter of minutes.
Full functional time limited evaulation available.

Creo WinIPDS Pro enables any printer, MFP or other hardcopy printing devices to print IPDS from AFP enabled host systems such as iSeries, zSeries, InfoPrint Manager, Prisma etc.

Creo WinIPDS Pro is a software-only AFP/IPDS LAN Print Server, which can be installed in a matter of minutes on a Microsoft Windows PC, where it runs as a Windows Service.

Creo WinIPDS Pro is able to convert Intelligent Printer Data Stream (IPDS) into highly optimized Postscript or PCL5e for ensuring full support for advanced paper handling options and accurate exception handling and page job completion reporting.

Like hardware solutions such as embedded cards and conversion boxes, this product leverages your investment in IBM's AFP/IPDS application technology by offering a much wider range of printing choices.

Comprehensive driver template collection exist for leading printer manufacturors such as Lexmark, Ricoh, Sharp, Canon and Konica Minolta. Also the WinIPDS Pro has been specifically adapted to provide high-speed IPDS printing in conjunction with the Creo Color Servers

WinIPDS Pro is suited for any printing environment, both workgroup and high volume production printing. You can choose to have WinIPDS Pro run hundreds of distributed printers and MFPs, or you dedicate WinIPDS Pro to drive one high-volume production printer and thereby function as a genuine IPDS RIP controller.

WinIPDS Pro support multiple Windows platforms such as Windows XP, Windows Server, Windows Vista or Windows7. Also it will run in virtualisation environments such as VMWare. The multithreading architecture of WinIPDS Pro will also exploit multiple CPU cores when processing multiple concurrent IPDS sessions.

High Speed Windows based IPDS Print Server for Printers and MFPs

Creo WinIPDS Pro Highlights

- Installs on MS Windows in a matter of seconds.
- Supports installation in virtualisation environments (such as VMWare™).
- Supports IPDS to any PostScript/PCL5 capable Printer og MFP.
- Supports IPDS to searchable PDF output.
- Supports CMOCA and import of customize color profiles.
- IPDS capability fully comparable to the latest IBM Infoprint Printers.
- Performance optimized by extensive use of printer caching and resource capture mechanisms.
- Full end-to-end printer status and page counter control.
- Throughput limited by the license key or by the PC hardware (effectively processes thousonds of pages per minute).
- Up to 256 simultaneous IPDS print sessions.
- Loadable custom driver templates for differents printers and MFPs.
- Optional support for printing via the installed Windows drivers, thereby expanding support to non-postscript/PCl enabled printers.
- Optional remote management by GateManager™.

Operation Principles of WinIPDS Pro

The WinIPDS Pro includes native formatting into highly optimized Postscript or PCL output which ensure throughput that resembles speeds of a native IPDS RIP (Raster Image Processor). The WinIPDS Pro service receives IPDS over a TCP/IP network and routes PCL5e or PostScript to standard TCP/IP printer ports. While printing, the WinIPDS Pro service monitors printer status via SNMP. Thereby, it logically integrates into the targeted printers, retaining the high level of strict bi-directional control that characterizes IPDS. The printer retains its ability to print all kinds of incoming print jobs, and the WinIAPS Pro itself can be placed anywhere on the network.

Custom PCL/Poscript Drivers ensuring Exact Compatibility with Printer Brand and Model

The WinIPDS Pro native Postscript and PCL target printer drives can be fully customized to support any printer brand and model and all of its printing options. Our large driver template collection has been accumulated from experience gathered from numerous installations world wide. Several driver templates have been officially QA bluestamped by Creo as result of formal testing according to the high IPDS Ultra integration testing standards. A driver template will ensure you that the WinIPDS Pro can address all printer brand and model specific printer options, such as tray and bins, finishing options, edge to edge printing etc. This means that the WinIPDS Pro is fully integrated with, and optimized towards the target printer, just as any build-in DIMM or similar integrated hardware solution would be, but while retaining the flexibility of a generic solution.

Printer and MFPs models for which the IAPS IPDS offer custom pre-made template include the following manufacturers:

Canon, IBM, Konica Minolta, Kyocera, Microplex, Océ, Ricoh, Sharp

 (Contact us for information on specific models, and best alternative)

Creo WinIPDS Pro Technical Specifications

PC Requirements

- MS Windows™ XP, MS Windows™ Vista, MS Windows™ Server 2003, MS Windows7™.
- Any of the above under VMWare™.

Target Printer Options Supported

- Multiple input cassettes and envelope feeders.
- Many different paper sizes, including large sizes (for example ledger, A3).
- Multiple output bins.
- Finishing support on most printers: stapling, hole punch, stacking.
- Up to 600 dpi resolution.
- Exploit of overlay caching and font caching in printer PDL, for optimization of throughput.
- Support of SNMP printer status and counters, for accurate error reporting and page recovery.
- PCL and PostScript drivers for specific brands can be customized through the Web GUI, such as selection strings for paper handling options.
- Model specific driver templates for a large number of printer and MFC brands and models can be downloaded from the product support portal.

PCL/Postscript Target Printer Requirements:

- PCL 5 or PostScript level 2 compliant printer, MFC or softwarebased PCL/Postscript interpreter.
- SNMP Printer MIB capable.
- TCP/IP Raw Socket (for example port 9100), or LPD (port 515) that allow "print to HDD" capability .

Performance

- License key controlls the maximum ppm per session.
- For an "unlimited ppm" license the throughput is set only by the PC hardware. Effectively WinIPDS Pro can process thousands of pages per minute.
- Exploitation of download font caching in the target printer allow printing at the printer's rated speed.

Emulated Cut Sheet Printers

- IBM 4317 and 4322 Network Printers.
- IBM Infoprint® 1000 family.
- IBM 3812/16 and 4028 printers.
- IBM 2770 (Infoprint® 70).

Emulated Continuous Forms Printers (Optional)

- IBM 3827.
- IBM 3835.
- IBM 3900.
- IBM 4000.
- IBM 4370 (Infoprint® 62).
- Nipson 7000.

Configuration

- Configuration of Print Drivers: Web GUI (HTTP).

IPDS Capabilities

- Full SAA Core Interchange Resident Code Page Support.
- Full Core Interchange and Coordinated font set.
- 4028 Compatibility Resident Code Page Set.
- 4028/31xx Compatibility font sets.
- Bitmap LF1, outline LF3 font and TrueType/OpenType support.
- DBCS (Double Byte Character Set) download font support.
- Font capture support for all download font formats.
- OCA image resource support (downloadable as a resource).
- Auto resolution scaling of fonts and IM images (240 to 300/600dpi).
- One-dimensional barcodes support.
- 2D barcode support (PDF417, MaxiCode, DataMatrix, QR) (powered by the TEC-IT barcode engine, www.tec-it.com).
- Advanced N-Up support.
- IPDS scalable (IO) and non-scalable (IM) images.
- Vector graphics, including GOCA boxes and Partial Arcs.
- Overlays and page segments.
- OCA Traditional color support (8/16 color values).
- Full image color support (FS45) with grayscaling on monochrome printers.
- Multiple input tray support.
- Multiple output bin support.
- Finishing supported (Offset stacking, Hole punching and Stapling)
- Object Container support (TrueType/OpenType fonts, JPEG/JFIF Images, IOCA Tiles. IO images as resource).
- Capture of Object Container objects.
- Multiple independent IPDS printer sessions with multiple hosts (with shared captured resources).
- Edge-to-edge printing on capable printers.
- Continuous forms printing option.

IPDS Print Platforms

- PSF V3.3 for OS/390.
- PSF 3.4 for z/OS.
- PSF/VM.
- PSF/VSE.
- PSF/400 minimum V3R1, recommended V4R5 or higher.
- Infoprint Manager for AIX V4.1.0 with PTF U483536.
- Infoprint Manager for Windows V2.1.0 with PTF UR54088 or higher.
- LRS VPS/IPDS™.
- Océ Prisma™.

Software Activation (License Control)

- Software key controlls: PPM, No. of sessions, color/monochrome, continuous forms mode.
- Trial key with full functionality for a time limited period (standard 30 days)
- features (ppm, color) can be mixed in the key so you purchase only what you need.

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