
RICOH ProcessDirector V3.5

Overview

RICOH ProcessDirector™ is an extensible, configurable output process management system that lets you start small and grow over time. With core capabilities plus optional add-on features, RICOH ProcessDirector allows flexible control of your critical communications output. It can streamline operations, improve process integrity, enhance operator productivity, reduce errors, and help lower costs. RICOH ProcessDirector is also the backbone software of Ricoh Automated Document Factory solutions: Mailroom Integrity, Postal Optimization and Output Management.

This release of RICOH ProcessDirector brings two new features that expand its capabilities to integrate with key applications in both your company and companies with whom you do business.

The Web Services Enablement feature brings the ability to exchange data – print files or other critical communication content as well as results of processing of that data done by our powerful workflow engine—with applications that use either the SOAP or REST web service protocols. In addition to submitting files and receiving notifications about their processing using REST or SOAP, you can also add steps to your workflows to invoke web services to process jobs wherever your business process dictates.

The MarcomCentral Connect feature builds on the Web Services Enablement feature to provide samples of receiving and processing orders from this popular web storefront tool. SOAP-based input devices receive XML orders from MarcomCentral and create jobs that can be processed by workflows that recognize what items in the order can be printed versus items that are picked from a warehouse. A SOAP notification can be set up to inform MarcomCentral when the entire order has been completed.

Even without these features, RICOH ProcessDirector has added step templates that allow it to receive and process files in both XML (Extensible Markup Language) and JSON (JavaScript Object Notation) format. These data streams are gaining popularity as cross-platform interchange formats. Steps that allow converting JSON to XML and parsing XML to break out separate components are added to the base product, along with a step that can apply XSL (Extensible Stylesheet Language) transformations to extract properties used as job ticket instructions or document properties for tracking purposes. A step template to download a file from a URL is also added to the base product.

Also included in this release is the first step in the evolution to a new user interface for both administrators and operators. We have simplified the steps for many operator and administrator tasks and modernized the appearance of the GUI with input from many of our customers. Moreover, new REST web services underpin the interface, with documented methods for a web application to access the information stored in RICOH ProcessDirector's rich database. Using this application programming interface, your IT staff can write web applications to extract data about jobs processed by RICOH ProcessDirector if you have a need to share that information with other applications in your business.

Highlights

In addition to the advantages described above, functional enhancements in RICOH ProcessDirector V3.5 include:

- Enhanced PDF processing capabilities, including the ability to verify the PDF is well-formed for printing and indexing
- The ability to produce device-specific PostScript™ output for many vendors' printers from PDF input
- A new function to post a message on the application's login page for all users to see. This message can serve as a warning that sensitive data resides in the application or could be used to announce upcoming system outages or daily shift updates.
- Support for secure LDAP authentication using StartTLS or LDAPS protocols
- Enhancements to several features including:
 - Support in the Designer feature to output PDF in addition to AFP data
 - Added capability in the Cut Sheet Support for Kodak feature to embed KDK commands in PostScript jobs
 - Increased timestamp data collection for each document scanned by the Automated Verification feature
 - Support in the Advanced Transform feature to preserve page exceptions when transforming AFP input into PDF or PostScript output.

Item Numbers

The new optional features are shown in the table below. New maintenance offerings include 2- and 4-year terms.

Item Number	Description
5765-H30-0062	MARCOMCENTRAL CONNECT
5765-H30-0063	WEB SERVICES ENABLEMENT

A complete list of all item numbers is in the attached file.



RPD
3.5_PartsList.xlsx

Description

Ricoh announces the release of RICOH ProcessDirector V3.5 for AIX, Linux, and Windows.

New functions and updates in Version 3.5.0 include:

Web Services Enablement feature

- The Web Services Enablement feature lets you call REST and SOAP web services from your production workflows to exchange data with third-party applications. The RICOH ProcessDirector implementation of REST supports XML and JSON. The implementation of SOAP supports XML. The feature adds support for input devices, step templates, and notification objects that can send web service requests.
 - REST and SOAP web service input devices poll web addresses and retrieve information that Ricoh ProcessDirector uses to create jobs.
 - Steps based on the CallRESTWebService and CallSOAPWebService step templates make web service calls to applications from any phase within RICOH ProcessDirector workflows.
 - REST and SOAP web service notifications update a third-party application when a job or printer event occurs. For example, a notification can update an application when all the items in an order job ship to a customer. A notification also can alert an application when a printing error occurs.
- Web Services Enablement supports both multiple-use and session-based authentication.
- Using Web Services Enablement, companies can exchange data between RICOH ProcessDirector and applications used by their customers and suppliers. For example, a printing company can process orders in JSON files retrieved from a web-to-print seller. The seller provides a REST web services interface with multiple-use authentication. The printing company retrieves the orders using REST web service input devices and reports order status back to the seller using REST web service notifications.

MarcomCentral Connect feature

- The MarcomCentral Connect feature lets you integrate the online-storefront and web-to-print functions of MarcomCentral into your production workflows. Sample web service input devices retrieve orders for print, digital, and other items from MarcomCentral. RICOH ProcessDirector creates a job for each order and notifies MarcomCentral when the items in the job complete specified steps in the sample workflow.

- You must have the Web Services Enablement feature installed to use the MarcomCentral Connect feature.

Support for jobs with XML and JSON files

- This version of the base product supports XML and JSON jobs. You can receive XML or JSON files in a hot folder input device.
- Using a step based on the CreateJobsFromXML step template, you can create one or more XML jobs from the contents of an XML input file. The step submits the jobs to a workflow that you specify.
- A step based on the ApplyXSLTransform step template lets you transform XML into a file that specifies the values of RICOH ProcessDirector job or document properties. The ApplyXSLTransform step also lets you convert an XML input file into another XML format such as JDF.
- A step based on the ConvertJSONToXML step template converts a JSON file into an XML file for processing by the CreateJobsFromXML and ApplyXSLTransform steps.
- Using these steps, companies can process XML and JSON files in their workflows. For example, a printing company can process orders in XML files received from web-to-print sellers. Each XML file contains multiple orders, and each order can include both print and promotional items, such as coffee mugs and baseball caps. A print workflow processes the print items. A non-print workflow processes the promotional items.

DownloadFile step

- In this version of the base product, you can add a DownloadFile step to a workflow. The step downloads a file from an external source to a location that the RICOH ProcessDirector server can access.

Printing PDF files on Custom PDF printers

A new printer type has been added to RICOH ProcessDirector called a Custom PDF printer. Custom PDF printers can receive PDF files and create device-specific PostScript to send to printers from most vendors. Most printers with a PostScript Printer Description (PPD) file that describes its features and capabilities can be a Custom PDF printer.

Starting with the vendor's PPD file, a RICOH representative creates a custom printer definition file that you use when defining the printer as a Custom PDF printer.

Enhancements for PDF file processing

- You can add a step based on the EnhancePDF step template to a workflow. The step lets you specify actions that manipulate or evaluate a PDF file. For example, you can specify actions that rotate pages, remove pages, add stamp annotations, and check that the file meets PDF specifications. For each PDF job, the step receives both a PDF file and a JDF job ticket as input.
- The AddStamps action adds a stamp annotation to selected pages of a PDF file based on page number or media name. You can see these stamp annotations in the RICOH ProcessDirector viewer or another PDF viewer. The stamp annotations are not printed.

- The RemovePages action removes selected pages of a PDF file.
- The RotatePages action rotates pages in a job by 90 degrees, 180 degrees, or 270 degrees.
- You can specify whether to rotate portrait pages, landscape pages, or all the pages in the job. RICOH ProcessDirector prints the PDF file with the pages rotated.
- The CheckPDF action checks whether the content of a PDF file meets PDF specifications. You can use RICOH ProcessDirector to view and print many PDF files with content that does not meet PDF specifications. However, such content can cause performance problems during printing.

First steps in the journey to a new user interface

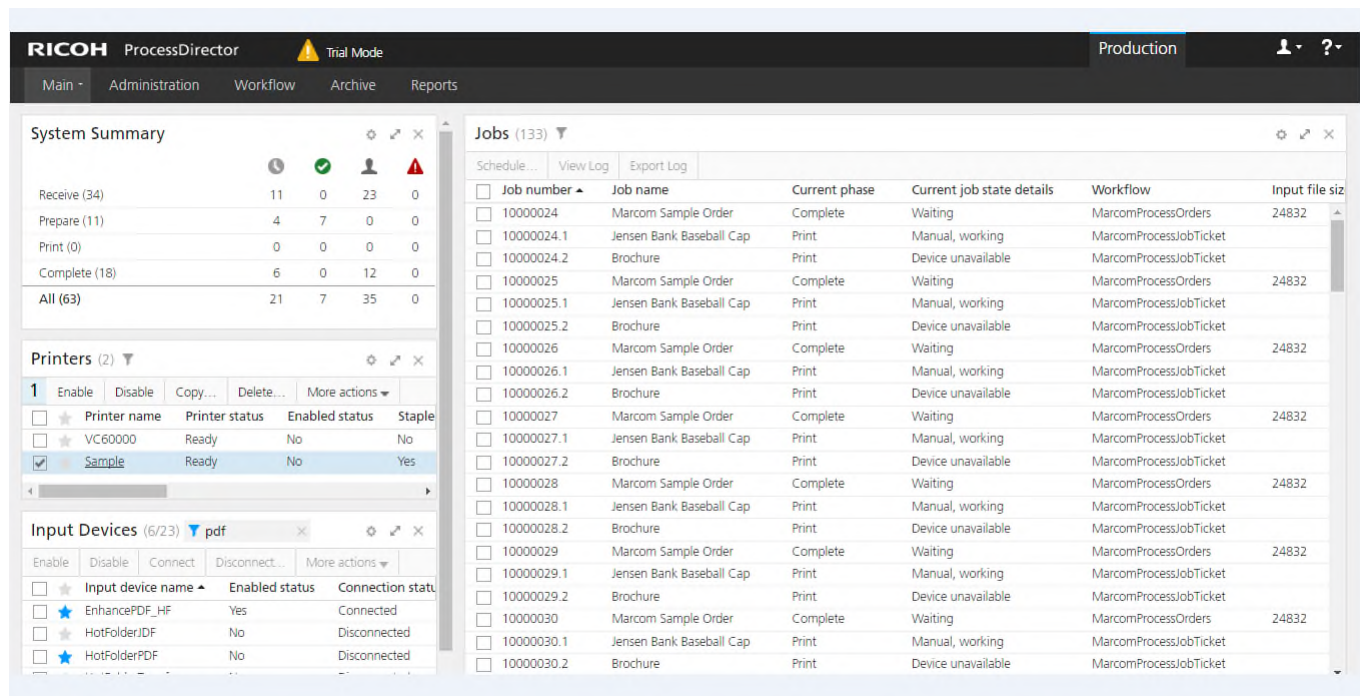
In this release, you can use an enhanced user interface to do the most common Administration tasks.

The Main page also has been updated to improve operational usability with most printer and input device actions available as well as the ability to schedule jobs

The legacy user interface is still available. A link on the legacy user interface launches the new user interface in another browser window, so you can use them side by side. Periodic updates adding function to the new user interface are planned.

The new user interface is built on top of a RESTful web service application programming interface (API), which is documented in Swagger. You can write your own web application accessing RICOH ProcessDirector data the same way that our user interface does.

The Main page of the new user interface is shown below:



The screenshot displays the RICOH ProcessDirector interface. At the top, it shows 'RICOH ProcessDirector' and 'Trial Mode'. The main navigation bar includes 'Main', 'Administration', 'Workflow', 'Archive', and 'Reports'. The 'Production' tab is active.

System Summary:

Receive (34)	11	0	23	0
Prepare (11)	4	7	0	0
Print (0)	0	0	0	0
Complete (18)	6	0	12	0
All (63)	21	7	35	0

Printers (2):

Printer name	Printer status	Enabled status	Staple
VC60000	Ready	No	No
Sample	Ready	No	Yes

Input Devices (6/23):

Input device name	Enabled status	Connection status
EnhancePDF_HF	Yes	Connected
HotFolder/DF	No	Disconnected
HotFolder/PDF	No	Disconnected

Jobs (133):

Job number	Job name	Current phase	Current job state details	Workflow	Input file size
10000024	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000024.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000024.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000025	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000025.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000025.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000026	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000026.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000026.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000027	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000027.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000027.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000028	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000028.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000028.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000029	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000029.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000029.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	
10000030	Marcom Sample Order	Complete	Waiting	MarcomProcessOrders	24832
10000030.1	Jensen Bank Baseball Cap	Print	Manual, working	MarcomProcessJobTicket	
10000030.2	Brochure	Print	Device unavailable	MarcomProcessJobTicket	



RPD3.5GUI.PNG

Updated Designer feature

- The Designer feature for Version 3.5 of RICOH ProcessDirector now includes support for creating and modifying PDF jobs and documents using GMC Inspire. A new step template named ComposePDF provides the same integrated control over the composition process as the ComposeAFP step template already has.
- The Designer feature no longer requires the AFP Support feature to run. If you want to create and modify AFP jobs, the AFP Support feature is still required.

Enhancements to PDF Document Support feature

- When you enhance a PDF file in RICOH ProcessDirector Plug-in for Adobe Acrobat, you now can insert pages from multiple PDF files. You can use rules to define placement conditions that determine which documents in the PDF file receive the page inserts.
- In addition, when the IdentifyPDFDocuments step receives multiple sets of PDF and JDF files as input, it combines them into a single PDF file and a single JDF file. The step takes page exceptions for media and stapling in the JDF input files and adds them to the combined JDF file.

Enhancement to Advanced Transform feature

A step based on the GetTransformPageExceptions step template lets you include page exceptions when you transform AFP input into PDF or PostScript output. The step converts tray information in the AFP form definition into media objects in the job ticket for PDF or PostScript output. You must have the InputAFP transform and either the OutputPDF or OutputPS transform.

Enhancement to RICOH PostScript/PDF to AFP Transform feature

The TransformJobintoAFP step template that invokes the transform that converts PDF to AFP data can now use Adobe's latest technology, the Adobe PDF Print Engine (APPE), to produce high-quality print output. Advantages to using APPE include:

- Direct conversion of PDF data to AFP
- Support for modern PDF capabilities such as transparency and drop shadows
- Better performance for color jobs

Enhancement to Automated Verification feature

You can now record the date and time when a camera or barcode scanner reads the barcode on each document in a job. A new Document Scan Time Property job property on the ReadBarcodeData step lets you choose a Document scanned property that RICOH ProcessDirector updates with the date and time when the barcode is read.

Enhancement to Cut Sheet Support for Kodak feature

- The Job identifier to use property on the System Settings page now specifies whether the printer console for a Kodak printer shows the job name or job number.
- In addition, you can now send PostScript jobs directly to a Kodak printer.

Features no longer available with Version 3.5

The Command Center feature is no longer available in RICOH ProcessDirector.

Supported web browsers

- You now can access the RICOH ProcessDirector user interface on the Microsoft Edge browser.
- RICOH ProcessDirector no longer supports the Microsoft Internet Explorer 10 browser.

Minimum supported versions of the Windows operating system on application servers

RICOH ProcessDirector supports application servers on the 64-bit versions of Windows 7 Enterprise or Ultimate, Windows Server 2008 R2 Service Pack 1, and Windows Server 2012. The 32-bit versions of Windows are no longer supported.

Language support

This version of RICOH ProcessDirector (V3.5) is available in English. New functions appear in English only; functions present in V3.4 and below are translated in French, Italian, German, Spanish, Japanese and Brazilian Portuguese if you install the Language Pack feature provided with the product.

No translations are provided for the Ricoh Transform features.

Later, this version of RICOH ProcessDirector (V3.5) and the Ricoh Transform features will be translated into French, Italian, German, Spanish, Japanese, and Brazilian Portuguese.

Customer Responsibilities

The customer is responsible for installing, configuring, maintaining, and using the RICOH ProcessDirector according to documented procedures, and for using the product in accordance with the Ricoh Software License Agreement (RSLA).

Software Requirements

RICOH ProcessDirector V3.5 primary server can be installed on a server running one of the following:

- AIX® Version 6.1, Technology Level 07; or AIX Version 7.1, Technology Level 1 SP6 or above, 64 bit
- Red Hat Enterprise Linux® (RHEL) 6.2 through latest 6.X release, 64-bit
- Red Hat Enterprise Linux® (RHEL) 7, 64-bit
- SUSE Linux Enterprise Server (SLES) 11 for x86 with SP2 or above, 64-bit
- SUSE Linux Enterprise Server (SLES) 12, 64-bit
- Windows Server 2008 R2 Service Pack 1, 64-bit
- Windows Server 2012 R2, 64-bit

RICOH ProcessDirector uses a web browser to access and display the user interface. You can access the interface from the system where the primary server is installed, or from any system running a supported web browser. The supported browser versions for accessing RICOH ProcessDirector on a client system are as follows:

- Microsoft Internet Explorer 11 and Edge
- Mozilla Firefox, Latest Service Level
- Google Chrome, Latest Service Level

RICOH ProcessDirector has a web-based viewer that displays AFP or PDF files to assist you in selecting pages for reprinting.

RICOH ProcessDirector can receive jobs for processing from the Job Entry Subsystem (JES) spool on an IBM z/OS host using either the Download for z/OS or AFP Download Plus optional feature of IBM Print Services Facility for z/OS V4.3 (5655-M32). The AFP Support feature of RICOH ProcessDirector is required to receive jobs from these z/OS programs.

Hardware Requirements for RICOH ProcessDirector V3.5

A minimum configuration for RICOH ProcessDirector V3.5 is a server with:

- One or more 2.8 GHz, or faster, processors.
- 4 GB or more RAM – some features require additional memory.
 - 12 GB RAM required for Automated Verification, Postal Enablement, Archive, PDF Mailroom Integrity, Preference Management, Electronic Presentment, Inserter or Manufacturing Optimization features.
 - 6-8 GB RAM required for Ricoh Transform features.
- Display with minimum resolution of 1280x800.
- Connectivity to the LAN.

The following table contains the hardware requirements for the RICOH ProcessDirector Transforms.

RICOH ProcessDirector for AIX	
Transform Features	An additional 512 MB RAM for every two CPU cores, but no less than 2 GB. For example, if the computer has: <ul style="list-style-type: none"> - One dual-core processor, it must have an additional 2 GB RAM. - Two quad-core processors, it must have an additional 2 GB RAM. - Three quad-core processors, it must have an additional 3 GB RAM. - Four quad-core processors, it must have an additional 4 GB RAM. - Transform features require an additional 4 GB of free hard drive space in addition to the space required for RICOH ProcessDirector. 4GB is required regardless of the number of Transform Features installed. Advanced Transform Features require additional HDD space.
Advanced Transform Feature	<ul style="list-style-type: none"> - Additional memory may be required for large or complex files - Minimum 3 GB additional free hard-drive space on the same drive that RICOH ProcessDirector is installed on

RICOH ProcessDirector for Linux	
Transform Features	<ul style="list-style-type: none"> - An additional 512 MB RAM for every two CPU cores, but no less than 2 GB. For example, if the computer has: - One dual-core processor, it must have an additional 2 GB RAM. - Two quad-core processors, it must have an additional 2 GB RAM. - Three quad-core processors, it must have an additional 3 GB RAM. - Four quad-core processors, it must have an additional 4 GB RAM. - Transform features require an additional 4 GB of free hard drive space in addition to the space required for RICOH ProcessDirector. 4GB is required regardless of the number of Transform Features installed. Advanced Transform Features require additional HDD space.
Advanced Transform Feature	<ul style="list-style-type: none"> - Additional memory may be required for large or complex files - Minimum 3 GB additional free hard-drive space on the same drive that RICOH ProcessDirector is installed on.
RICOH ProcessDirector for Windows	
Transform Features	<ul style="list-style-type: none"> - An additional 512 MB RAM for every CPU core, but no less than 2 GB. For example, if the computer has: - One dual-core processor, it must have an additional 2 GB RAM. - Two quad-core processors, it must have an additional 4 GB RAM. - Three quad-core processors, it must have an additional 6 GB RAM. - Four quad-core processors, it must have an additional 8 GB RAM. - Transform features require an additional 4 GB of free hard drive space in addition to the space required for RICOH ProcessDirector. 4GB is required regardless of the number of Transform Features installed. Advanced Transform Features require additional HDD space.
Advanced Transform Feature	<ul style="list-style-type: none"> - Additional memory may be required for large or complex files - Minimum 3 GB additional free hard-drive space on the same drive that RICOH ProcessDirector is installed on.

Supported PDF Printers

The models of Ricoh PDF printers that are supported in this version of RICOH ProcessDirector are shown in the following list.

RICOH ProcessDirector has several ways of sending jobs to printers capable of printing PDF files. The most general way is to define the printer as a Passthrough printer and specify a command that is appropriate for your printer.

The InfoPrint 5000 printer, for example, can accept PDF jobs in a hot folder on the printer that is accessible to the server or it can accept jobs using the LPR protocol.

The Ricoh PRO VC60000 and other Ricoh printers with the TotalFlow Print Server accept a PDF job with a JDF job ticket as a MIME package.

Printers defined to RICOH ProcessDirector as Ricoh PDF printers are sent PostScript generated from an input PDF job or can be sent a combination of JDF and PDF if the control unit supports it.

The following models of Ricoh printers are supported as Ricoh PDF printers in this version of RICOH ProcessDirector:

- Aficio MP 1100
- Aficio MP 1350
- Aficio MP 9000
- Aficio MP C6000
- Aficio MP C6501
- Aficio MP C7500
- Aficio MP C7501
- Aficio SP 9100DN
- Linoprint C7100
- Linoprint C7100S
- Linoprint C7100SX
- Linoprint C7100X
- Linoprint C7110
- Linoprint C7110S
- Linoprint C7110SX
- Linoprint C7110X
- Linoprint C9100
- Linoprint C9110
- RICOH imagio MP 1100
- RICOH imagio MP 1350
- RICOH imagio MP 9000
- RICOH imagio MP C6000
- RICOH imagio MP C6001
- RICOH imagio MP C7500
- RICOH imagio MP C7501
- RICOH IPSiO 9100Pro
- RICOH Pro 1106EX
- RICOH Pro 1107
- RICOH Pro 1107EX
- RICOH Pro 1107M
- RICOH Pro 1356EX
- RICOH Pro 1357
- RICOH Pro 1357EX
- RICOH Pro 1357M
- RICOH Pro 6100
- RICOH Pro 6100HT
- RICOH Pro 8100S
- RICOH Pro 8100Se
- RICOH Pro 8110
- RICOH Pro 8110e
- RICOH Pro 8110S
- RICOH Pro 8110Se
- RICOH Pro 8120
- RICOH Pro 8120e
- RICOH Pro 8120S
- RICOH Pro 8120Se
- RICOH Pro 906EX
- RICOH Pro 907
- RICOH Pro 907EX
- RICOH Pro C5100S
- RICOH Pro C5110S
- RICOH Pro C550EX
- RICOH Pro C651EX
- RICOH Pro C700EX
- RICOH Pro C7100
- RICOH Pro C7100S
- RICOH Pro C7100SX
- RICOH Pro C7100X
- RICOH Pro C7110
- RICOH Pro C7110S
- RICOH Pro C7110SX
- RICOH Pro C7110X
- RICOH Pro C720
- RICOH Pro C720S
- RICOH Pro C751
- RICOH Pro C751EX
- RICOH Pro C900
- RICOH Pro C900S
- RICOH Pro C901
- RICOH Pro C901S
- RICOH Pro C9100
- RICOH Pro C9110

Supported Kodak PDF printers include these models:

- Digimaster EX110
- Digimaster EX125
- Digimaster EX138
- Digimaster EX150
- Digimaster EX300

Supported Xerox PDF printers include these models with the DocuSP® Controller:

- DocuTech 6100
- DocuTech 6115
- DocuTech 6135
- DocuTech 6155
- DocuTech 6180
- DocuTech 75
- DocuTech 90
- DocuTech 350
- DocuTech 425
- DocuTech 500
- DocuTech 700
- DocuTech 850
- DocuTech 1000
- DocuTech 128HLC
- DocuTech 155HLC
- DocuTech 180HLC
- DocuPrint 100EPS
- DocuPrint 115EPS
- DocuPrint 135 EPS
- DocuPrint 155EPS
- DocuPrint 180EPS
- DocColor 250
- DocColor 2045
- DocColor 2060
- DocColor 6060
- DocColor 7000
- DocColor 8000
- iGen3
- Nuvera 100DCP
- Nuvera 120DCP
- Nuvera 100DPS
- Nuvera 120DPS
- XDP 4110
- XDP 4590

Hardware and Software Requirements for RICOH ProcessDirector V3.5 optional Features

The RICOH ProcessDirector Plug-in for Adobe Acrobat is provided as part of the PDF Document Support feature. It can be installed on a workstation, and requires one of the following:

- Windows 7 Professional with SP1 or above – 32 and 64 bit
- Windows 8 – 32 and 64-bit

In addition, the following are required for the PDF Plug-in.

- Adobe Acrobat X (Version 10.1.1 or higher) , XI Professional or DC
- Java 8 1GB RAM dedicated to the application

RICOH ProcessDirector's Ink Savvy Tool

The Ink Savvy Tool requires one of the following:

- Windows Server 2008
- Windows 7

In addition, the following is required:

- System requirements: Intel® Core™ 2 or similar, 2.4 GHz, 2 x 4 MB Level 2 (L2) cache, 2 GB RAM, 750 GB - 10.000 U/min hard disk drive with at least 5 GB free disk space
- Hardware components: Video card (DVI, supporting DirectX 9c), enabled Direct 3D acceleration, updated driver (not Windows default driver), for example, NVIDIA® GeForce 8600 GT; minimum screen resolution 1024 x 768 PX, 32 bit color depth

- Microsoft Internet Explorer 6.0 or higher, Direct X 9c or higher

The server must use the NTFS file system (FAT32 is not supported) with Ink Savvy.

PitStop Connect

For RICOH ProcessDirector for AIX or Linux, Pitstop Connect requires Enfocus PitStop Server 10 or higher on an application server that is configured to work with the primary server.

Impostrip Connect

For RICOH ProcessDirector for AIX or Linux, Impostrip Connect requires Ultimate Impostrip OnDemand Digital Automation 7 or higher on an application server that is configured to work with the primary server.

Avanti Slingshot Connect

The Avanti Slingshot Connect feature requires Avanti Slingshot Version 6.2014 or higher.

RICOH Transform features

The transform features require WorldType Fonts version 8.13 for sap2afp files to transform correctly when IS/3 support is enabled.

RICOH ProcessDirector's Ink Estimation

For RICOH ProcessDirector for AIX or Linux, the Ink Estimation feature includes a step template that must be tuned to run on an Application server that meets these requirements:

Operating system requirements (for the ink estimation feature):

- Windows 7 (configured as an RICOH ProcessDirector Application server)
- Windows Server 2008 (Running on the RICOH ProcessDirector primary server)
- Adobe Acrobat X Hardware requirements and software requirements (for the ink estimation feature):
- A minimum of two, 2.0 GHz CPU cores
- At least 1 GB RAM for each CPU core
- Enough free disk space to hold the TIFF images created by the EstimateInk step.
The amount of space needed varies greatly, depending on the size and number of pages that are estimated at the same time.
- Adobe Acrobat X Pro
- Microsoft.Net framework 3.5.1 or later

RICOH ProcessDirector Secondary Server Feature

The RICOH ProcessDirector Secondary Server Feature can be installed on a system running one of these operating systems:

- AIX ® Version 6.1, Technology Level 07; or AIX Version 7.1, Technology Level 1 SP6 or above, 64 bit
- Red Hat Enterprise Linux® (RHEL) 6.2 through latest 6.X release, 64-bit
- Red Hat Enterprise Linux® (RHEL) 7, 64-bit
- SUSE Linux Enterprise Server (SLES) 11 for x86 with SP2 or above, 64-bit
- SUSE Linux Enterprise Server (SLES) 12, 64-bit
- The Secondary Server feature is not available on RICOH ProcessDirector for Windows.

Terms and Conditions

RICOH ProcessDirector is offered by Ricoh USA, Inc. in the United States and by one or more of its affiliates in selected countries outside of the United States, collectively (“Ricoh”).

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with Ricoh are contained in the applicable contract documents, such as, but not limited to, the Ricoh Software License Agreement (RSLA) and the Ricoh Software Maintenance Agreement for Production Printing Software.

Licensing:

The RSLA governs your use of the program. Your invoice serves as your License Confirmation as defined in the RSLA. These programs have a One-time-charge (OTC) for use of the program, and an annual (or multi-year if available) renewable charge for ongoing support, which includes telephone assistance, as well as access to updates and new releases of the program as long as you have a current software maintenance agreement in effect.

Maintenance Service Offerings

Ricoh includes one year of software maintenance with the initial license acquisition of each program acquired under the terms of Ricoh Software Maintenance Agreement for Production Printing Software, which does not require customer signatures.

While covered under the terms of the software maintenance agreement, Ricoh provides you assistance for your routine, short-duration installation, and usage (how to) questions, as well as code defect support and access to Product Updates, releases, and versions of the program.

Ricoh provides assistance via telephone and, if available, electronic access, only to your Information Systems (IS) technical support personnel during normal business hours (published prime shift hours) of your Ricoh support center. This assistance is not available to your end users. Ricoh provides Severity 1 assistance 24 hours a day, every day of the year.

Software maintenance does not include assistance for the design and development of applications, program modifications, print data-streams, your use of programs in other than their specified supported operating environment, or failures caused by products for which Ricoh is not responsible under this agreement.

Limited Warranty

RICOH ProcessDirector is warranted as stated in the Ricoh Software License Agreement.

RICOH ProcessDirector Ordering Information

RICOH ProcessDirector is composed of a base license, printer attachment features, and optional features.

- Open the Configurator model for RICOH ProcessDirector (#5765-H30)
- Choose among the Windows (5765-H30-0001W) or Linux (5765-H30-0002L) or the AIX (5765-H30-003A) option
- Choose optional features – one optional feature is required for each base license (5765-H30) that will install the optional feature. The optional features are listed in the “Item Numbers” section of this document.
- Specify the desired maintenance item (1, 2, 3, 4 or 5 years) –
- Specify the correct number and type of printer attachment features. The print speeds for the printer attachment are:
 - 0-62 impressions-per-minute (workgroup and impact printers)
 - 63-110 impressions-per-minute (low-speed)
 - 111-300 impressions-per-minute (medium-speed)
 - 301 -1499 impressions-per-minute (high-speed)
 - 1500+ impressions-per-minute (ultra-high-speed)

Printer Attachment Requirements

- General Attachment Requirements
 - The following general requirements explain the requirement for acquisition of printer attachment features.
 - Unless an attachment is not required by either the General Exceptions or the Product Specific Attachment Exceptions set forth below, a printer attachment feature is required for each physical printer that receives print data. When the same physical printer receives data from multiple Ricoh print servers (InfoPrint Manager and RICOH ProcessDirector), only one printer attachment is required. A “physical printer” may be a printer or a controller and printer combination.
- General Exceptions
 1. A printer attachment feature is not required when output is sent to another printer server or application and not to a physical printer.
 2. Physical printers that are used only for test, development and cold backup do not require printer attachments.
 3. Physical printers that are used solely to add MICR or color to a page previously printed by another physical printer do not require a printer attachment. For example, an InfoPrint 5000 XR3 would not require an attachment but other physical printers with integrated MICR or color capability will require a printer attachment feature.

- Definitions
 - Impressions per minute (IPM) for letter (8.5 x 11 inches) or A4 (210x297 mm) that is standard for your location. An Impression is defined as a printed side. A page with one side printed equals 1 impression and a page printed on both sides equals 2 impressions.
 - Cutsheet printers use 1-UP printing speed. Print speed is determined by the highest rated A4/Letter impressions per minute specified for cutsheet printers.
 - Continuous Forms printers use 2UP printing speeds per engine or the maximum A4/letter IPM per paper width allowed. Use the highest rated images-per-minute throughput per engine to determine the print attachment for continuous forms printers. Duplex continuous form printers that have two print engines need two printer attachments.

Ink Savvy Ordering

Ink Savvy is priced per print system (one duplex configuration = one system), and is designed to work exclusively with the InfoPrint 5000 (all models).

The Configurator automatically selects the maintenance items and supply features based upon the specified Optional Features, Upgrade Features, and Printer Attachments.

Publications

All publications are downloadable from the Ricoh Information Center

<http://info.rpp.ricoh-usa.com/help/index.jsp>

The RICOH ProcessDirector for AIX Publications CD, GK4T-4011, contains the following publications:

- RICOH ProcessDirector for AIX: Planning and Installing, G550-1045
- RICOH ProcessDirector: Integrating with Other Applications, S550-1069
- RICOH ProcessDirector: Installing Document Processing Features, G550-20312
- RICOH ProcessDirector: Using RICOH ProcessDirector Plugin for Adobe Acrobat, G550-20229
- RICOH Font Summary, G550-20001
- Whitepaper: Using the Enhance AFP Function
- Release notes

In addition, the AIX Publications CD contains a stand-alone version of the RICOH ProcessDirector AIX help system, also referred to as the Information Center.

The RICOH ProcessDirector for Linux Publications CD, GK4T-4007, contains the following publications:

- RICOH ProcessDirector for Linux: Planning and Installing, G550-1042
- RICOH ProcessDirector: Integrating with Other Applications, S550-1069
- RICOH ProcessDirector: Installing Document Processing Features, G550-20312
- RICOH ProcessDirector: Using RICOH ProcessDirector Plugin for Adobe Acrobat, G550-20229
- RICOH Font Summary, G550-20001
- Whitepaper: Using the Enhance AFP Function
- Release notes

In addition, the Linux Publications CD contains a stand-alone version of the RICOH ProcessDirector Linux help system, also referred to as the Information Center.

The RICOH ProcessDirector for Windows Publications CD, GK4T-4107, contains the following publications:

- RICOH ProcessDirector for Windows: Planning and Installing, G550-1365
- RICOH ProcessDirector: Integrating with Other Applications, S550-1069
- RICOH ProcessDirector: Installing Document Processing Features, G550-20312
- RICOH ProcessDirector: Using RICOH ProcessDirector Plugin for Adobe Acrobat, G550-20229
- RICOH Font Summary, G550-20001
- Whitepaper: Using the Enhance AFP Function
- Release notes

In addition, the Windows Publications CD contains a stand-alone version of the RICOH ProcessDirector Windows help system, also referred to as the Information Center.

Accessibility by people with disabilities

RICOH ProcessDirector has the following capabilities for vision-impaired users:

- Allow operation using only the keyboard (except for layout customization, visual workflow builder, and job workflow viewer)
- Communicates all information without using color as the only distinguisher.
- Supports interfaces commonly used by screen magnifiers
- Supports interfaces commonly used by screen readers
- Provides documentation in an accessible format

The Archive feature has the following capabilities for vision impaired users:

- Communicates all information without using color as the only distinguisher
- Supports interfaces commonly used by screen magnifiers

- Provides documentation in an accessible format

RICOH ProcessDirector has the following capability for users with mobility impairments or limited hand use:

- Can be operated using only the keyboard with exceptions noted above.

U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested from the Web site at

http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm_id=46&alnv=access

SECTION 508 OF THE U.S. REHABILITATION ACT

RICOH ProcessDirector is capable, when used in accordance with Ricoh's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested using Ricoh's Web site at

http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm_id=46&alnv=access

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