
RICOH ProcessDirector V3.4

Notes:

- **August 26,2015: Corrected Secondary and Primary Server Prerequisites**
- **November 20, 2015: Added Availability of Translated Languages (French, German, Spanish, Japanese, and Brazilian Portuguese)**

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 is significant because it includes powerful document processing functions for PDF print files without the need to purchase any additional features. Valuable functions such as sorting, grouping, pulling and emailing PDF documents are yours for the price of the base product alone. The same document functions, as well as indexing, are available for AFP print files in an optional feature. We have also consolidated other features to make ordering easier. Customers who are already profiting from the efficiencies that RICOH ProcessDirector can bring will be seamlessly migrated to the new product feature structure when they upgrade to V3.4.

Highlights

In addition to the advantages described above, functional enhancements in RICOH ProcessDirector V3.4 include:

- A step that optimizes your PDF files for speedier processing
- New ways to receive sets of files such as a file with metadata about a customer that is paired with a single PDF document for that customer. The sets of PDF files can be batched into a single larger PDF file for improved output management
- The ability to select specific documents in a PDF job to reprint using document properties
- Operational enhancements such as the ability to export a view of the Jobs table as a CSV file at any time to use for internal tracking or productivity measurements
- Administrative improvements such as the ability to see what users are logged in, easier management of access groups and the ability to make more powerful conditional workflows

- More capabilities in the Archive feature to ensure you can capture all the audit data you need to track your documents through the milestones that are critical to your business

Item Numbers

The new optional features are shown in the table below.

Item Number	Description
5764-H30-0060	RPD Inserter Option
5765-H30-0061	RPD AFP Support Options
5765-H30-W0015	RPD IPM ULTRA HIGH-SPEED PRINT ENGINE ATTACH UPGRADE
5765-H30-W0016	RPD IPM GRP OF 25 WORKGRP PRNTR ATTACH UPGRADE
5765-H30-W0017	RPD IPM GRP OF 50 WORKGRP PRNTR ATTACH UPGRADE
5765-H30-W0018	RPD IPM GRP OF 100 WORKGRP PRNTR ATTACH UPGRADE
5765-H30-W0019	RPD IPM GRP OF 200 WORKGRP PRNTR ATTACH UPGRADE
5765-H30-W0020	RPD RU IPM TO RPD WINDOWS UPGRADE
5765-H30-W0021	RPD RU IPM TO RPD AIX UPGRADE
5765-H30-W0022	RPD RU IPM TO RPD LINUX UPGRADE

A complete list of all item numbers is in the attached file. The new item numbers are in green. Item Numbers not available for Ricoh ProcessDirector V3.4 are in red.



Ricoh ProcessDirector
Items.xlsx

Description

Ricoh announces the release of RICOH ProcessDirector V3.4 for AIX, Linux, and Windows.

With modular features, including vendor-neutral inserter management, RICOH ProcessDirector is the premier modular, browser-based, workflow software for job and document management and control. The key functions of RICOH ProcessDirector, and its features, include:

- Native PDF datastream processing
- Optional AFP datastream processing
- Ability to accept files from multiple sources: from a variety of hosts by copying files or using ftp to a directory defined as a hot folder, from multiple hosts using a command line print request

(such as LPR), and, with the AFP Support feature, from IBM z/OS® using Download for z/OS or AFP Download Plus.

- Tracking the production process from receipt of the print file to final delivery
- Using a file viewer to select the pages of AFP and PDF jobs to reprint
- Interacting with other programs, such as:
 - Third-party applications
 - User-written applications

New Base Product Document-Level Functionality

- ProcessDirector V3.4 Base Product
 - The new ProcessDirector V3.4 now includes PDF document level functions, enabling true Automated Document Factory capabilities for management, tracking and control of PDF communications
- The addition of PDF document level functions to the ProcessDirector base brings:
 - The RICOH ProcessDirector Plug-In for Adobe Acrobat which you can use to apply markup such as barcodes, images or text to each document in the PDF file using business rules
 - The ability to assign media and stapling options to each document in the PDF file using business rules
 - The ability to use document properties such as customer name or account number to select individual documents from a PDF file for reprint using the Print again function
 - The ability to email documents in a print job in order to facilitate generating and sending customer emails with personalized content and optional attached PDF documents
 - The ability to perform special handling of some documents in a PDF job, such as suppressing or expedited delivery, after the job is already in the ProcessDirector system.

The PDF document processing functions are packaged in a no-charge feature named PDF Document Support that you can install with the base product. You do not have to order or license the PDF Document Support feature separately.

Base Product Structure Simplification

- ProcessDirector Express
 - The PDF centric capabilities of ProcessDirector Express have been moved into ProcessDirectorV3.4, so that PDF-only customers will get superb support right out of the box
 - As a result, ProcessDirector Express is being withdrawn.
- Ricoh ProcessDirector Plug-in for Adobe Reader
 - The plug-in for Acrobat Pro that enables PDF document processing is now included with the ProcessDirectorV3.4 base product

New Product Features

- New AFP Support Feature
 - To provide AFP datastream support, and IPDS print server capability, ProcessDirectorV3.4 now offers the AFP Support feature

- The AFP Support feature enables job submission from z/OS host systems using Download for z/OS and AFP Download Plus
- The AFP Support feature includes the AFP Indexer, allowing creation of page groups and indexes in AFP files
- The AFP Support feature allows AFP jobs to be split into subset print jobs, sorted based on document-specific information such as postal codes address data, or grouped into subset print jobs based on document properties such as number of sheets or delivery region
- New Inserter Feature
 - To provide inserter control for PDF and AFP workflows, ProcessDirectorV3.4 now offers a single Inserter feature
 - This will replace all previous inserter related features: Inserter Level 1, Inserter Level 2 or PDF Mailroom Integrity ... now any related inserter workflows simply need the Inserter feature
 - The new Inserter feature automates the insertion of printed documents and inserts into envelopes. It encompasses the functionality of all 3 previous inserter related features:
 - Prepare input files for insertion
 - Write control files and send them to inserter controllers
 - Receive results files from inserter controllers
 - Interpret results file to determine the insert status of each document in the job
 - Automatically (or manually, with operator control) reconcile the job, and reprint any damaged documents.

Product Feature Changes

- **Withdrawing AFP Indexer**
 - The capability of the AFP Indexer feature has been moved into the AFP Support feature
 - As a result the AFP Indexer feature has been withdrawn from sale
- **Withdrawing Manufacturing Optimization**
 - The functionality of the Manufacturing Optimization feature (AFP split, sort and group) has been moved into the new AFP Support feature
 - As a result, the Manufacturing Optimization feature has been withdrawn from sale
- **Withdrawing Service Level Agreements (SLA)**
 - The capabilities of the SLA feature, including the ability to be alerted when expected work does not arrive, has been moved into the Deadline Tracker feature
 - As a result the SLA feature has been withdrawn from sale
- **Withdrawing Inserter 1 & Inserter 2**
 - The functionality of the Inserter 1 & Inserter 2 features have been consolidated into the new Inserter feature
 - As a result Inserter 1 & 2 have been withdrawn from sale
- **Withdrawing PDF Mailroom Integrity**
 - The functionality of the PDF Mailroom Integrity feature has been moved into base ProcessDirector and the Inserter feature
 - As a result PDF Mailroom Integrity has been withdrawn from sale
- **Withdrawing Mailroom Integrity Bundles**
 - The Mailroom Integrity 1 & Mailroom Integrity 2 bundles have been withdrawn, instead simply order what you need

Changes to Product Feature Prerequisites

The following features will now require the AFP Support feature to be installed:

- Ricoh Transform Features
- AFP Editor
- WhiteSpace Manager
- Designer
- WPM

The following features will require either the AFP Support feature or the No Charge PDF Document feature to be installed:

- Archive
- Automated Verification
- Inserter
- Postal Enablement
- Preference Management
- Electronic Presentment

Product Functionality Enhancements

In order to promote RICOH ProcessDirector's place as a premier PDF Automated Document Factory, we made it easier to combine single PDF documents and separate "side" files with information about those documents into the system. You can configure a RICOH ProcessDirector hot folder to accept sets of files as input and batch them into a job when a specific number of pages or files have arrived or when a specific time interval has passed. A set can contain a data file and a file containing other values that need to be kept with each file. The resulting PDF job contains all of the individual documents and a document properties file that contains the property values for each document that arrived in the side file. You can use a workflow to perform document processing such as barcoding, emailing, sorting, inserting on the entire PDF job in the same way you would if the documents were all submitted in a single PDF originally. This function is especially useful if you need to use document properties that are not contained in the print data but only in another file, perhaps created by a separate process in your enterprise than the print file itself.

V3.4 of RICOH ProcessDirector also includes a new OptimizePDF step template which leverages industry standard technology to create smaller, more manageable PDF files that can increase performance through the PDF processing steps in a workflow, even when using only job level processing. This step has been added to the two sample workflows provided with the base product. We suggest that existing customers also add this step to streamline their existing PDF workflows. Specifically, this step helps to remove unreferenced objects located in the PDF file to reduce the size and improve the quality of the PDF. The new step can also help to cleanse the PDF file of duplicate indirect objects, allowing the PDF file size to be reduced and process through the workflow more efficiently.

Other enhancements to the operations functions in base RICOH ProcessDirector in V3.4 include:

- The ability to search for documents to reprint in a PDF job using document properties if the PDF Document Support feature is installed. The Print again function on the Main page has been enhanced to allow operators to easily select entire documents not just pages using document properties such as customer name or account number to locate the document in the job.
- An Export table to CSV functions on the Jobs table to allow users to easily record the list of work at the start and end of a day or shift.
- A Delete all function on the Jobs table that can be used in conjunction with the various ways you can filter the table contents to simplify cleanup from errors such as ones where parent and child jobs are involved. This action is also useful when administrators are debugging new workflows. Of course, confirmation of the deletion is requested before the action is complete and you can determine which users have this authority using the RICOH ProcessDirector Group membership.

Also new in V3.4 is a way in the workflow to indicate how to reformat a job if it needs to change based on a change to the device that will print it. For example, a PDF job is prepared to print on a cut sheet printer even though it uses only one type of media. When that printer has a problem, the operator would like to schedule the job to the continuous forms printer. But it is set up for inline finishing that requires the last page of the job to print first. The job itself has to be reformatted to print in reverse order and it might need to be arranged 2-up across the web. With a new workflow setting, operators can merely schedule the job to the continuous forms printer and the workflow takes care of reformatting the file for the new output format. The same function can be used if you have transform features installed to convert from one print data stream to another based on the printer the operator requests on the Schedule jobs dialog.

New administrative capabilities have also been provided in V3.4:

- It's much easier to make custom security Groups based on the standard Monitor, Operator and Supervisor roles we provide. Rather than starting from a group with more access rights than the group you want to make and subtracting what you don't want, you can now start with a group that you just want to add one or two functions to. For example, you can make a Lead operator group that has the same authority as the Operator group plus the ability to see the Administration tab and edit printer settings.
- You can determine what RPD users are logged into the system by checking the Users table in the Administration page. A new Logged in property of each user can be added as a column in the Users table so you can see at a glance who is working on the system.
- Conditional workflows can be more powerful now that we have added support for complex rules that can combine AND and OR comparisons. And we have enhanced the Workflow Builder to show the order that rules are tested in cases where more than one branch comes out of a step, making it easier to debug your workflows.
- An easier way to set up RICOH ProcessDirector for Linux or AIX in a failover environment has been provided in scripts for your customization as well as documented in the Installation and Planning Guide. In many cases, the need to install the product twice – once on the production and once on the backup server – has been eliminated.

Two features are also enhanced in this release:

- The Archive feature has been enhanced to allow you to download the retrieved data file to your workstation to manage locally. To make it easier to construct an audit trail for the production of an individual document, we added support for creating a PDF of multiple results returned from an archive search. For example, your automated postal processing workflow writes information to the repository for 5 key events – print, insert, delivered to postal service, acknowledged by postal service, and received by customer. A customer service representative searches the repository using properties that uniquely identify that mailpiece. At best, 5 results are returned – one for each of those 5 events. But instead perhaps 7 results are found because the mailpiece was reprinted once and reinserted once. In either case, with the new version of the Archive feature, you can now select all 5 or 7 results and export a single PDF report that shows the document properties and the timestamps of those key events in the production history of the document.
Enhancements were also made to the Archive feature to ensure that the audit trail for a document is complete even if an operator manually deletes a job from the system. An Administrator can configure the workflow to write information to the repository as the job leaves the system rather than just purging the job.
- The Electronic Presentment feature consists of a set of RESTful Web Application Programming Interface (API) calls to enable access to the information stored in the repositories set up by the Archive feature. In this release, we have packaged a demo application to allow you to see the kind of re-skinned, customer-facing user interface you can create with this feature.

The base product also adds support for more models of Ricoh PDF Printers, including the ability to output Fiery JDF along with PDF to those models that have Fiery controllers.

ProcessDirector Express migration to RICOH ProcessDirector V3.4

- As part of the withdrawal from marketing of ProcessDirector Express, customers may qualify for a free upgrade to the new RICOH ProcessDirector 3.4 solution.
- To be eligible for the free upgrade, the following conditions must be met:
 - ProcessDirector Express must have been installed prior to September 25, 2015, and
 - ProcessDirector Express must be covered by Ricoh software maintenance pursuant to the RSMA (RicoH Software Maintenance Agreement) as of the date of the upgrade.
- Ricoh will document the ProcessDirector Express to RICOH ProcessDirector migration terms and the customer's acceptance in a formal document that will be signed by both the customer and Ricoh.
- When the customer gets their new RICOH ProcessDirector 3.4 configuration
 - Software maintenance (subject to the RSMA) must be purchased for a support period of at least one year.
 - Software maintenance for ProcessDirector Express is terminated and Ricoh will apply a prorated credit for any unused software maintenance period to the charges for the new RICOH ProcessDirector software maintenance. If the credit exceeds the charges, the credit will be applied toward the future renewal of such software maintenance. No refund will be provided.

Upon installation of RICOH ProcessDirector 3.4, the license to ProcessDirector Expresses is terminated and the customer must immediately stop using ProcessDirector Express. At Ricoh's option, the customer

must delete, destroy or return the ProcessDirector Express software and all of its copies, and confirm to Ricoh when this has been done.

Language support

This version of RICOH ProcessDirector (V3.4) was initially available in English. New functions appeared in English only; functions present in V3.3 and below are translated in French, Italian, German, Spanish, Japanese and Brazilian Portuguese if you install the Language Pack feature provided with the product.

This version of RICOH ProcessDirector (V3.4) and the Ricoh Transform features were translated into French, Italian, German, Spanish, Japanese, and Brazilian Portuguese effective November 20, 2015.

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 V3.4 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 10 and 11
- 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. This viewer requires Adobe Reader 9.0, X or XI on the client system.

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).

Hardware Requirements for RICOH ProcessDirector V3.4

A minimum configuration for RICOH ProcessDirector V3.4 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: - 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. <p>For example, if the computer has:</p> <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. <ul style="list-style-type: none"> - 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. <p>For example, if the computer has:</p> <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 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. <ul style="list-style-type: none"> - 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

Additional models of Ricoh PDF printers are supported in this version of RICOH ProcessDirector.
Supported models include:

- RICOH Aficio MP 1100
- RICOH Aficio MP 1350
- RICOH Aficio MP 9000
- RICOH Aficio MP C6000
- RICOH Aficio MP C6501
- RICOH Aficio MP C7500
- RICOH Aficio MP C7501
- 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 IPSiO Aficio SP 9100DN
- 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 Pro8110
- RICOH Pro 8120
- RICOH Pro 8100S
- RICOH Pro 8120S
- RICOH Pro 906EX
- RICOH Pro 907
- RICOH Pro 907EX
- RICOH Pro C5100S
- RICOH Pro C550EX
- RICOH Pro C651EX
- RICOH Pro C700EX
- RICOH Pro C720

- RICOH Pro C720S
- RICOH Pro C751
- RICOH Pro C751EX
- RICOH Pro C900
- RICOH Pro C900S
- RICOH Pro C901
- Ricoh Pro 901S
- 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 C5110S
- RICOH Pro VC60000

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

Hardware and Software Requirements for RICOH ProcessDirector V3.4 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 XP Professional Service Pack 3 or later
- 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 Pro

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 Americas 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 PTF 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, 3 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

Trademarks

These terms are trademarks or registered trademarks of Ricoh Co., Ltd., in the United States, other countries, or both:

- Advanced Function Presentation
- AFP
- InfoPrint
- Ricoh

These terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

- AIX
- IBM
- DB2
- PSF
- z/OS

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Intel and Intel Inside (logos) are trademarks of Intel Corporation in the United States, other countries, or both.

Xerox is a registered trademark of the Xerox Corporation in the United States, other countries, or both.

Kodak is a registered trademark of the Eastman Kodak Company in the United States, other countries, or both.

DocuSP® is a trademark of Xerox in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows XP, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.

