
Customer Reference Document: RICOH ProcessDirector V3.7

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 new features that expand its capabilities to integrate with key applications in both your company and companies with whom you do business. Steps in your workflows can now exchange data with other systems using the Secure File Transfer Protocol (SFTP). In addition, TCP/IP V6 addressing can be used between RICOH ProcessDirector and mainframe systems and AFP printers.

The ability to collect and access historical data about your printers, jobs and documents has been enhanced by a redesign of the Reports feature. Now included free with the base product, you can use a step in your workflow to collect whatever job and document properties you want as often as you want and retrieve them from the PostgreSQL database for presentation by your own business intelligence application. You can also specify what printer information you want to capture into the database for whatever throughput or usage analysis you want to perform.

The workflow builder component of the user interface has been enhanced not just with a new look but with functions requested by our users, including the ability to work on enabled workflows and to save incomplete workflows. Workflow editing is done in a full-page window with navigation assistance to help you zoom in to find the step you want to work on. The user interface used to retrieve information from the repositories defined by the Archive feature has also been updated, adding the ability to manage your saved searches. Most operator and administrator tasks in the base product are now available in the new GUI, which adopters in Version 3.6 have lauded as much cleaner and simpler to use.

Final Release

The Final Release date is October 26, 2018.

Highlights

Version 3.7 of RICOH ProcessDirector contains a variety of enhancements to both the base product and its features.

Highlights in the base:

- New workflow builder user interface
- Improved sheet accounting for PDF jobs with a mixture of simplex and duplex pages
- Ability to push and pull data using SFTP with steps in a workflow
- Support for IPv6 addresses when communicating with z/OS mainframes and AFP printers
- A collection of commonly used job and document properties harvested from our many implementations
- Miscellaneous functional enhancements to operational capabilities
- Simplified upgrades for components and a new plan for product updates

Highlights in the features:

The Reports feature:

- Data collection capabilities have been expanded to include a step template that can be placed in workflows to write both job and document properties to the PostgreSQL database. You can access that data to build your own reports that now can include document properties. And the feature is included at no charge with the base product!

The Archive feature:

- The updated user interface includes a fresh face on the page where items are retrieved from the Archive repositories
- New ability to manage your saved searches

The Advanced Transform feature:

- Enhancements to the AFP and PostScript input filters to preserve any duplex page specifications in those data streams when files are transformed to PDF.

The Avanti Slingshot Connect feature:

- Two new capabilities for sharing data between Avanti Slingshot Connect and RICOH ProcessDirector:
 - Specify whether print counts are reported to Avanti Slingshot Connect in pages or sheets
 - Job and job part identifiers set in JDF tickets are preserved in Ricoh ProcessDirector job properties for easier tracking

Description

Ricoh announces the release of RICOH ProcessDirector V3.7 for AIX, Linux, and Windows.

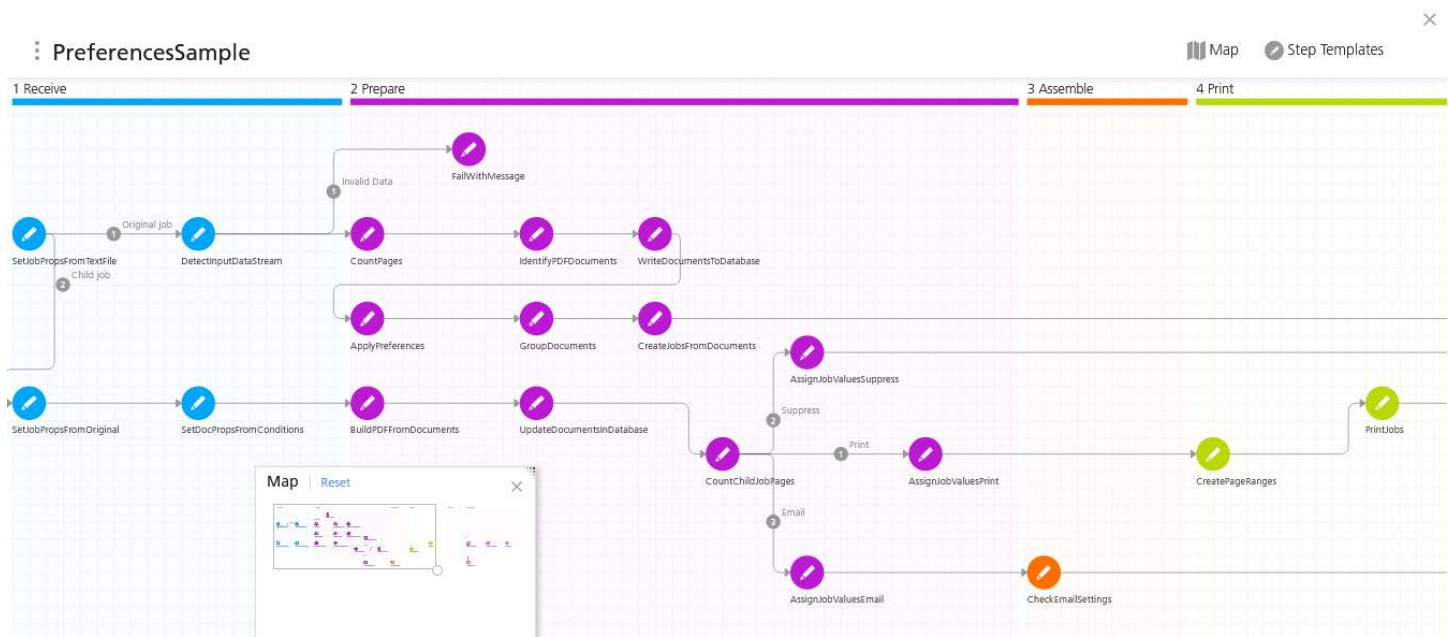
New functions and updates in Version 3.7 include:

The new user interface adds the Workflow Builder and Archive feature

Building a workflow got a lot easier with the new user interface and some new capabilities suggested by our users. The result is a sleek and easy to use GUI that allows users to create complex multi-branching workflows using drag-and-drop ease. The whole browser page is your canvas to give you more room to lay out your workflows. An inset map lets you navigate on the canvas to zoom in on a step or connector. You have more control over the placement of rules on connectors and more flexibility in where you connect one step with another. You can save incomplete workflows to finish later and you can edit workflows that are enabled.

The Archive feature now has a redesigned GUI with the same advanced search filter from the main page. Archive queries can be built using any/all/custom logic and saved for reuse. In this release, you can also delete saved searches you no longer need.

The Workflow Builder is shown below:



Most Administrator functions can now be accomplished using only the updated user interface and we added some new capabilities to the Operator interface as well, such as the ability to change the properties for multiple jobs at a time to the same value.

Reports Feature redesigned

The Reports feature has been transformed to give you access to your printer, job, and document data in an industry standard, open format. A configuration file lets you select what job and printer properties to write for all work in the system to PostgreSQL database tables that you can name. A step template can be placed one or more times in selected workflows to capture job and document properties for work that you want more specific information about. For example, you can collect job information such as document count when a job is first received and then later in the workflow record how many documents were printed or emailed.

The Reports function on the user interface is gone but your business analysts can make their own reports and data visualizations by accessing the PostgreSQL tables directly. The Reports database that was used through Version 3.6 has been removed and a utility is provided to migrate your data from that database into PostgreSQL.

The PostgreSQL database packaged with the Reports feature can be used on the primary server of Ricoh ProcessDirector for Windows or Linux. For AIX, a Linux secondary server is required along with consulting services from our Advanced Solutions Practice.

Best of all, the Reports feature is now provided as a no-charge feature with the base product. New customers must install it and customers who purchased the feature in a previous release are upgraded to the new version with no need for a license for the feature.

PDF improvements, including improved sheet accounting

- RICOH ProcessDirector is now “Plex aware.” This means that when PDF jobs containing a mixture of simplex and duplex sheets are processed, “plex” page exceptions are added to the JDF ticket that accompanies the job rather than blank pages being added to the PDF file. For printers that can process the page exceptions in the JDF, the blank pages no longer count in the “click charge” for the job. This capability extends to the PDF jobs created using the Preprinted Forms Replacement feature, as well as to the PDF created by the Advanced Transform Feature when AFP or PostScript containing mixed duplex settings are transformed to PDF. Other PDF

enhancements include the ability to process PDF V2.0 jobs and a program that can convert PDF files at version 1.2 through 1.7 to any other version of PDF within that same range.

SFTP – Secure File Transfer Protocol Step Templates

- Ricoh ProcessDirector can also now send and receive files in a secure manner using secure file transfer protocol from within a workflow in the form of two workflow steps, PullFromSFTP and PushToSFTP. Authentication with SSL certificates or user ID and password are supported. This function will simplify the integration with programs that use SFTP as their file exchange protocol.

Support for IPv6 networks

- The AFP Support feature was enhanced to allow transmission of files from z/OS mainframes to Ricoh ProcessDirector using IPv6 format addresses. Similarly, Ricoh ProcessDirector can send jobs to AFP printers that have IPv6 format addresses.
- Other IPv6 connections may be supported using the hostname format to identify the computer that Ricoh ProcessDirector is connecting to.
- Printing to Ricoh PDF printers is not supported when the printer has an IPv6 format address.

New Common Properties Feature

- Many of our customers who have engaged our Advanced Solutions Practice have requested a set of 16 job and 16 document properties that are useful to their businesses. We have packaged these properties into a no-charge feature that a customer can install to make use of these properties for finding jobs in the system, grouping documents in a job and many other functions. Examples include Due date, Delivery method, and Folding type.

Miscellaneous Functional Enhancements

Based on requests from our customers, three new functions were added to only the updated user interface to make some operator tasks easier to perform:

- The ability to change the values of any number of properties of multiple jobs at a time
- The ability to batch all of the input files waiting in a hot folder input device before their next scheduled time
- The ability to process multiple jobs in the same workflow back to a specific step instead of restarting them at the beginning of their workflow

In addition, the function that can be specified in several workflow steps to do mathematical calculations (such as Reprint count + 1) has been expanded to include the ability to do modulo and random operations.

Simplified Updates

- Ricoh ProcessDirector includes several components which often release new versions between releases of Ricoh ProcessDirector. When updates to Tomcat, Java, or IBM DB/2 are available, you can contact Ricoh Software Support for assistance updating just those components. This capability makes it easier for you to respond if your IT department discovers a vulnerability in one of those components.
- Ricoh ProcessDirector is adopting a new release process after Version 3.7. As we qualify new functions, we will make them available for download from the Ricoh Software website. Your Ricoh representative can assist you in getting notified about product updates. The updates will continue to be packaged as a new release annually.

Support for new printers

Ricoh ProcessDirector now supports these RICOH printers:

RICOH Pro C7200S	RICOH Pro C7210
RICOH Pro C7210S	RICOH Pro C7200e
RICOH Pro C7200SL	RICOH Pro C7200X
RICOH Pro C7200SX	RICOH Pro C7210X
RICOH Pro C7210SX	RICOH Pro C9200
RICOH Pro C7200	RICOH Pro C9210

Packaging Changes

Remove Ink Estimation feature

The Ink Estimation feature, that allowed users to estimate ink usage and ink cost for a print job before printing to an IP5000, is no longer available as a feature of Ricoh ProcessDirector.

Legacy GUI Deprecation

Version 3.7 is the last version of Ricoh ProcessDirector that will include the legacy user interface. Starting with the next version, the transition to the updated user interface will be complete.

Language support

This version of RICOH ProcessDirector (V3.7) is available in English. New functions appear in English only; functions present in V3.6.1 and below are translated into 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 (V3.7) 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 V3.7 primary server can be installed on a server running one of the following:

- AIX® Version 7.2, Technology Level 2
- Windows Server 2016
- Windows Server 2012 R2
- Red Hat Enterprise Linux® (RHEL) 6.7 or above

- Red Hat Enterprise Linux® (RHEL) 7.1 or above
- SUSE Linux Enterprise Server (SLES) 12 SP1 or above

Note: In all cases, primary server OS software is 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 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 V3.7

A minimum configuration for RICOH ProcessDirector V3.7 is a server with:

- AIX—One or more 1.9 GHz or faster RISC processors
- Linux—One or more 2.8 GHz or faster standard Intel® processor-compatible hardware
- Windows®—One or more 3.1 GHz or faster standard Intel processor-compatible hardware
- 4 GB or more RAM – some features require additional memory.
 - 12 GB RAM required for Automated Verification, Postal Enablement, AFP Support, Archive, PDF Document Support or Inserter features.
 - 6-8 GB RAM required for Ricoh Transform features (see table below).
- Display with minimum resolution of 1280x800.
- Connectivity to the LAN.

The following table contains the minimum 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"> - With appropriate features installed, supports up to 32 core processors which is the maximum that may be utilized simultaneously. - 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 Feature	<ul style="list-style-type: none"> - With appropriate features installed, supports up to 32 core processors which is the maximum that may be utilized simultaneously. - 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"> - With appropriate features installed, supports up to 32 core processors which is the maximum that may be utilized simultaneously. - 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, VC40000, 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: (newly added RICOH printers in Bold)

- Aficio MP 1100
- Aficio MP 1350
- **RICOH Pro 6100**
- **RICOH Pro 6100HT**
- **RICOH Pro C7100**
- **RICOH Pro C7100S**

- 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 Pro 8110
- RICOH IPSiO 9100Pro
- RICOH Pro 1107
- RICOH Pro 1107EX
- RICOH Pro 1107M
- RICOH Pro 1356EX
- RICOH Pro 1357
- RICOH Pro 1357EX
- RICOH Pro 1357M
- RICOH Pro 5200S
- RICOH Pro 8100S
- RICOH Pro 8100Se
- RICOH Pro 1106EX
- RICOH Pro 8110e
- RICOH Pro 8110S
- RICOH Pro 8110Se
- RICOH Pro 8120
- RICOH Pro 6100HT
- RICOH Pro 8100S
- RICOH Pro 8100Se
- RICOH Pro 1106EX
- RICOH Pro 8110e
- RICOH Pro 8110S
- RICOH Pro 8110Se
- RICOH Pro 8120
- RICOH Pro 8120e
- RICOH Pro 8120S
- RICOH Pro 8120Se
- RICOH Pro 8200S
- RICOH Pro 8210
- RICOH Pro 8210S
- RICOH Pro 8220
- RICOH Pro 8220S
- RICOH Pro 906EX
- RICOH Pro 907
- RICOH Pro 907EX
- RICOH Pro C5100S
- RICOH Pro C5110S
- **RICOH Pro C5200S**
- **RICOH Pro C5210S**
- RICOH Pro C550EX
- RICOH Pro C651EX
- RICOH Pro C700EX
- 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 C7200S**
- **RICOH Pro C7210S**
- **RICOH Pro C7200SL**
- **RICOH Pro C7200SX**
- **RICOH Pro C7210SX**
- **RICOH Pro C7200**
- **RICOH Pro C7210**
- **RICOH Pro C7200e**
- **RICOH Pro C7200X**
- **RICOH Pro C7210X**
- RICOH Pro C751
- RICOH Pro C751EX
- RICOH Pro C900
- RICOH Pro C900S
- RICOH Pro C901
- RICOH Pro C901S
- RICOH Pro C9100
- RICOH Pro C9110
- **RICOH Pro C9200**
- **RICOH Pro C9210**

Supported Kodak PDF printers include these models:

- Digimaster EX110
- Digimaster EX125
- Digimaster EX138
- Digimaster EX150
- Digimaster EX300
- 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 128HLC
- DocuTech 155HLC
- DocuTech 180HLC
- DocuPrint 100EPS
- DocuPrint 115EPS
- DocuPrint 135 EPS
- DocuPrint 155EPS
- DocuPrint 180EPS
- DocColor 250
- DocColor 2045
- DocColor 8000
- iGen3
- Nuvera 100DCP
- Nuvera 120DCP
- Nuvera 100DPS
- Nuvera 120DPS
- XDP 4110
- XDP 4590

- DocuTech 700
- DocuTech 850
- DocuTech 1000
- DocColor 2060
- DocColor 6060
- DocColor 7000

Supported AFP Printers

When the AFP Support Feature is installed, RPD can print to any AFP printer that conforms to the AFP specifications.

Hardware and Software Requirements for RICOH ProcessDirector V3.7 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 10
- Windows Server 2012 R2
- Windows Server 2016

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

- One of these versions of Adobe Acrobat:
 - X Pro (Version 10.1.1 or higher) or XI Pro
 - 2017
 - DC
- Java 8 2GB 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 are 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. For RICOH ProcessDirector for Windows, PitStop Connect can run on the same server.

Impostrip Connect

For RICOH ProcessDirector for AIX or Linux, Impostrip Connect requires Ultimate Impostrip OnDemand Digital Automation 7 or higher on a Windows application server that is configured to work with the primary server. For RICOH ProcessDirector for Windows, Impostrip Connect can run on the same 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 Secondary Server Feature

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

- AIX® Version 7.2, Technology Level 2
- Red Hat Enterprise Linux® (RHEL) 6.7 through latest 6.X release, 64-bit
- Red Hat Enterprise Linux® (RHEL) 7.1 through latest 7.X release, 64-bit
- SUSE Linux Enterprise Server (SLES) 12 with SP1 or above, 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. Effective October 27, 2017, there are changes to the Printer Attachment Features. The revised printer speeds for each of the printer attachment categories is described below:
 - Workgroup Printers (Now 80 impressions per minute (ipm) and below; Previously this group was 62 impression per minute
 - Added Group of 10 printers at 80 impressions per minute and below
 - Low Speed Printers (Now 80-150 impressions per minute; previously 63-110 ipm). The new printer groups for low-speed are:
 - Single Device at 81-150 impressions per minute
 - Added Group of 5 printers at 81-150 impressions per minute
 - Added Group of 10 printers at 81-150 impressions per minute
 - Added Group of 25 printers at 81-150 impressions per minute
 - Medium Speed Printers (Now 151-400) impressions per minute; previously this group was 111-300 impressions per minute)
 - No new groups are being added
 - High Speed Printers are now defined as 401-1,999 impressions per minute; Previously this group was 301-1,499 impressions per minute)
 - No new groups are being added
 - Ultra High Speed is now defined as 2,000 impressions per minute or above. Previously this group was for printers greater than 1,499 impressions per minute.
 - No new groups are being added

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
 - A printer attachment feature is not required when output is sent to another printer server or application and not to a physical printer.
 - Physical printers that are used only for test, development and cold backup do not require printer attachments.
 - 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.

The Printer Attachment Items are shown in the following table.

ITEM	RPD PRINTER ATTACHMENT OPTIONS	Printer Speeds for Printer Attachment Features
5765-H30-0047	RPD GRP OF 10 WORKGRP PRNTR ATTACH	Group of 10 printers 80 impressions per minute and below
5765-H30-0041	RPD GRP OF 25 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0042	RPD GRP OF 50 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0043	RPD GRP OF 100 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0044	RPD GRP OF 200 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0048	RPD GRP OF 500 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0049	RPD GRP OF 1000 WORKGRP PRNTR ATTACH	Workgroup defined as 80 impressions per minute and below
5765-H30-0037	RPD LOW-SPEED SINGLE PRNTR ATTACH	Single Device defined as 81-150 impressions per minute
5765-H30-0036	RPD LOW-SPEED GRP OF 5 PRNTR ATTACH	Group of 5 printers as 81-150 impressions per minute
5765-H30-0045	RPD LOW-SPEED GRP OF 10 PRNTR ATTACH	Group of 10 printers as 81-150 impressions per minute
5765-H30-0046	RPD LOW-SPEED GRP OF 25 PRNTR ATTACH	Group of 25 printers as 81-150 impressions per minute
5765-H30-0038	RPD MED-SPEED PRINT ENGINE ATTACH	Single Device defined as 151 - 400 impressions per minute
5765-H30-0039	RPD HIGH-SPEED PRINT ENGINE ATTACH	Single High Speed defined as 401-1,999 impressions per minute
5765-H30-0040	RPD ULTRA HIGH-SPEED PRINT ENGINE ATTACH	Single Ultra High Speed defined as 2,000 impressions per minute or above

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.

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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