

ApeosWare Management Suite

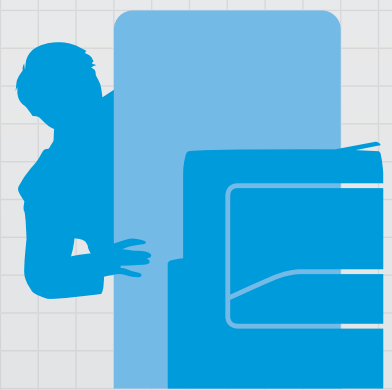
Business All-In-One Solution



Are Your Multiple
Devices Giving You
Multiple Headaches?

Troublesome
Management

High
Security
Risk



Free your people to focus on business growing activities

A high percentage of businesses today employ multiple office devices to enhance their operations. From printers to fax machines and more. While these devices enable greater flexibility and convenience, they can also introduced some challenges to the workplace. For instance, the more devices you have, the more labour is engaged to manage them. These can include everything from ensuring security of confidential information to simply setting the devices for personalised use, or maintenance. Moreover, as most of these utilities are shared, bottlenecks begin to clog up workflow. If neglected or overlooked, these challenges can lead to great inefficiencies and loss of productivity.

For every successful company, the objective should be to free the workforce from such distracting and time-intensive activities so that they can focus on their core competencies effectively. The key is to develop a system which can comprehensively manage, maintain and drive these devices effectively, and with minimum human intervention.



Efficient, secure and smooth management of multiple devices

ApeosWare Management Suite

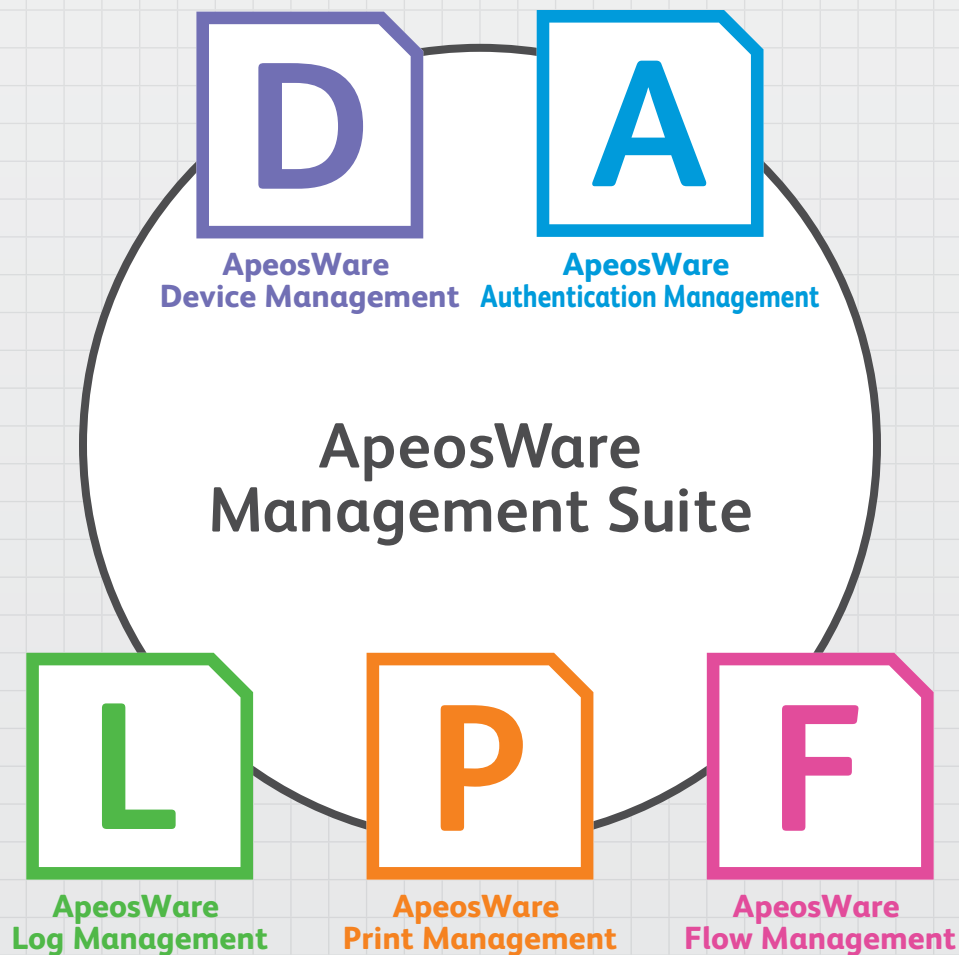
The all-in-one administrative solution to facilitate productive core business operations

ApeosWare Management Suite (AWMS) is an advanced integrated software designed to empower growing businesses to centrally manage various output devices with ease. The result is big savings and productivity gains. AWMS also contributes to reducing wastage paper and reducing carbon footprint as the business grows.



ApeosWare Management Suite

5 Ways ApeosWare Management Suite can enhance your business



With the new ApeosWare Management Suite, organisations can manage a small network of device from a single PC server. Furthermore, businesses will be able to gain total control in device and output management via the software's five modules which are designed to enhance data security, improve productivity, reduce costs, and save the environment by tracking and controlling usage. Incorporated into the new ApeosWare Management Suite is a powerful feature which allows administrators to automatically deliver scanned information from a multifunctional device to a selection of network destinations in the most appropriate format for processing or storage.

5 functions in one server customised configurations available at minimal cost.

Troublesome Management

Ease Device Management Issues



ApeosWare Device Management

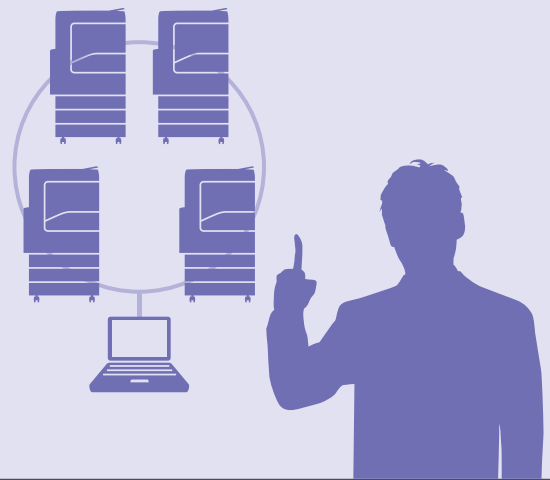
Multifunction devices and printers are indispensable items in contemporary businesses. However, with the introduction registered users, the burden on administrators grow proportionately to the increase in the numbers of such devices. Updating information also becomes laborious when devices are re-placed or employees change.

ApeosWare Device Management (AWDM) allows better controls of the devices to enhance management process.

Various devices can be calibrated and managed from a single PC.

AWDM can assign the settings of devices can also be performed effectively by just using a single PC connected to the network.

- If a device malfunctions, the setting information can still be recalled from the PC.



High Security Risks

Security Enhancement



ApeosWare Authentication Management

Paper documents can be easily reproduced by copying or printing. Security becomes a major concern when information becomes easily accessible. Making printing too easily accessible to all also results in wastage of paper and energy.

ApeosWare Authentication Management (AWAM) controls the usages of devices by individual users.

Reduce security threats and other abuses through issuance of IC cards and passwords.

AWAM restricts use of devices by user, department or position, which is effective in reinforcing security.

- A smart and budget-friendly solution. The system can limit the output on the various devices, thereby increasing the individual's awareness in managing costs and limiting wastages.



Escalating Cost

By limiting the uses on multifunction devices and printers, companies can reduce costs and conserve energy. However, one must be familiar with the operational capabilities of such devices before they can be regulated.

TCO
Reduction



**ApeosWare
Log Management**

ApeosWare Log Management (AWLM) helps lower total operational costs.

Regular reporting of usage by user and by departments

In addition to regular usage reporting, AWLM can also collect data on frequency of single printing or double-sided printing per page. Now, businesses can see the trends of current usage with precision.

- Effortless energy conservation with use of optimal number of devices. The ultimate integration and arrangement of devices inevitably leads to greater efficiency in usage and less machines. The result is a corresponding decrease in the use of energy and storage space.



Unproductive Queue Time

You notice a mistake after printing some urgently required documents; is there a quicker and more economical solution than to re-print the documents. How can you avoid a recurrence?

Improve
Productivity



**ApeosWare
Print Management**

With ApeosWare Print Management (AWPM), no queues for urgent printouts.

Efficient Distribution and On Demand Printing

The On Demand Printing configuration on AWPM allows the user to alternate and distribute printing jobs to every available printer in the network. This results in operational efficiency and eliminates precious waiting time.

- Less paper wastage with less printing mistakes. A mistake in data output can be avoided AWPM sends it to the server for temporary storage before printing. This results in less wastage of paper and power.



Increase in Non-Core Workload

A huge number of documents circulates around the office daily, and these include faxes, paper documents and other forms of digital documents. Changing file format, OCR processing, and sending documents to other formats may involve complex settings on the devices and eats up precious operating time.

Automated Processing



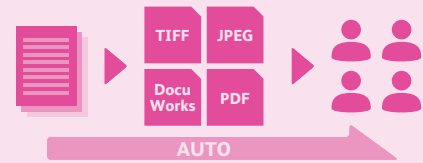
**ApeosWare
Flow Management**

ApeosWare Flow Management (AWFM) drives complex processes at a single touch.

Automation of Complex Processes

Complicated maneuvers such as generating PDF files and OCR processes can be automated using this software. AWFM automates the finishing and sending processes. The user need only receive faxes, scan, and copy files to folders, saving the company time and money.

- No requirement for individual setting of devices when using OCR processing. OCR processing and high compression PDF conversions can run automatically, which is a cost savings measure.



An All-In-One Cost & Environment Saver

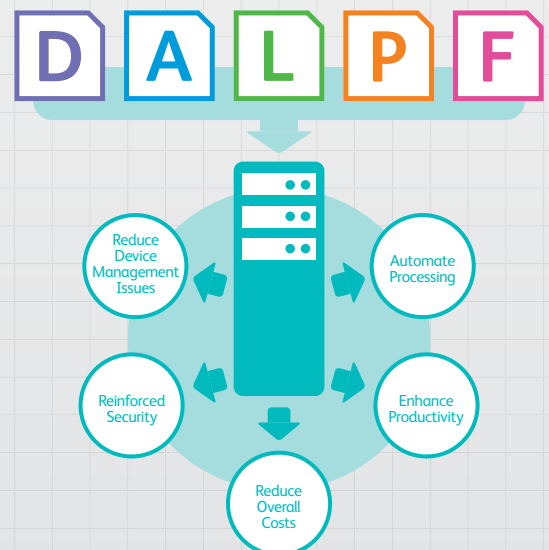
Multiple Common Operations From A Single Server

When more than one software is used by a company in its operations, it usually involves costs and time in implementing and introducing them into the business process. ApeosWare Management Suite provides one solution to address these complex problems by consolidating 5 modules – device management, user management, log management, print management and the sending of documents* – all into a single server. With optimal configuration of these multiple functions from a central system, your businesses can cut costs and enhance productivity all around.

*The five modules included in the ApeosWare Management Suite software can also be utilised independently.

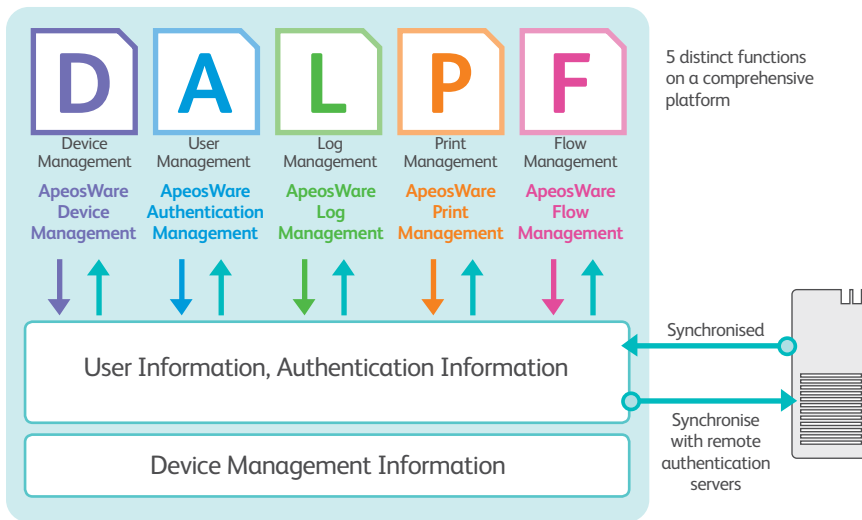
**FREE
(trial version)
Now
Available!**

- Would you like to enhance your office productivity today? Get your FREE trial version of AWMS now. Reduce the constraints in your workplace by managing your multiple devices optimally.



ApeosWare Management Suite Structure

Powerful alignment of 5 components through a centralised consolidation of user and device management information



ApeosWare Management Suite creates a dynamic synergy among the 5 software through constant interaction with user and device management information stored in a common database. It serves as a powerful tool in administering user and device set-up for a flawless and streamlined execution of jobs in a multiple-device environment, complete with customised user-friendly interfaces.

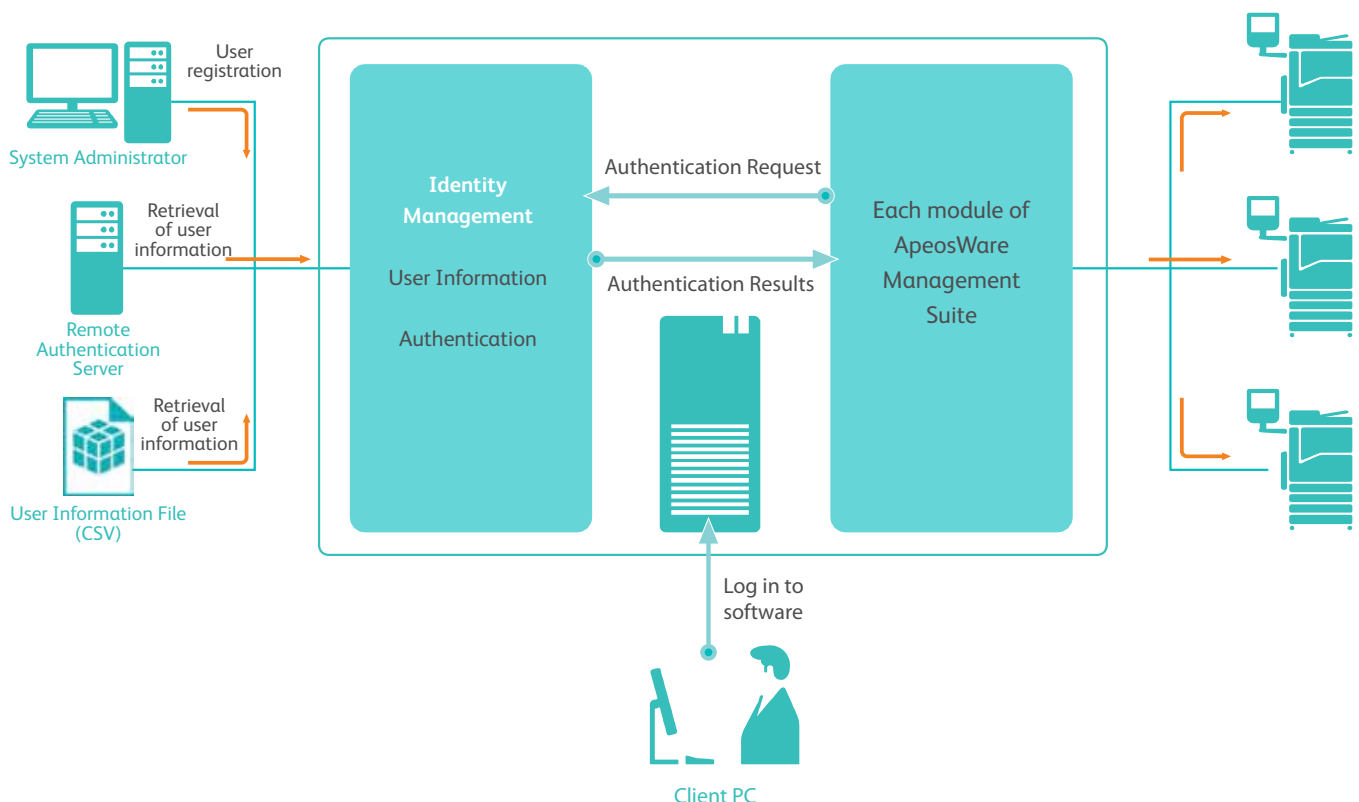
Management and Authentication of User Information

Management and authentication of users

The ApeosWare Management Suite utilises the Identity Management tool, which manages and authenticates user information, as a login server.

Flexible linkages with external authentication server

Highly secured yet allows for flexible connections with various external services such as Active Directory®, an LDAP (Lightweight Directory Access Protocol) server. Facilitates easy imports of all existing user information and authentication of output devices, thereby reducing management time and effort.



Device Management

Operation and management of devices



ApeosWare Device Management

By utilising ApeosWare Device Management, device management can be efficiently and easily done via the web browser. Batch Management of multifunction devices and printers can be implemented effectively organisation-wide to achieve TCO reduction.

ApeosWare Device Management manages multiple devices in a breeze.

Device settings are updated automatically with personnel transfer information

Department-specific usage rules, restrictions and authentication information can be registered in the common database. Any user transfers between departments are automatically reflected on device settings, simply by a one-touch update of the personnel change.

Regular monitoring of device status

Conduct regular monitoring of device status via the simple-to-use Web browser interface with utmost administrative ease. Real-time notifications of incidents are sent via instant notifications.

Regular backup of data

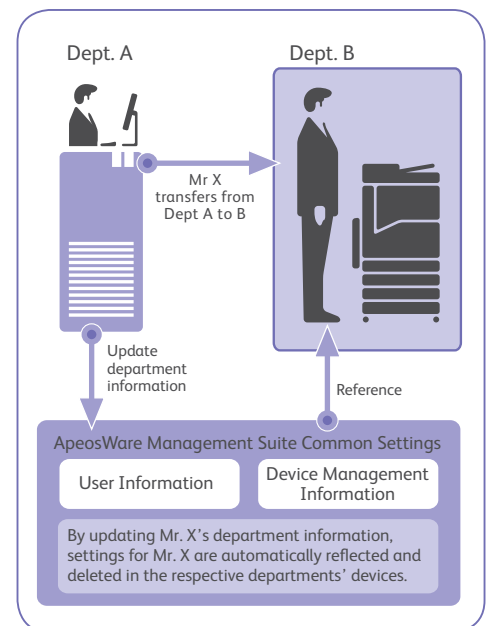
Centralised user and device management information are backed up regularly, facilitating prompt restoration of settings when required.

Device setup from a network PC

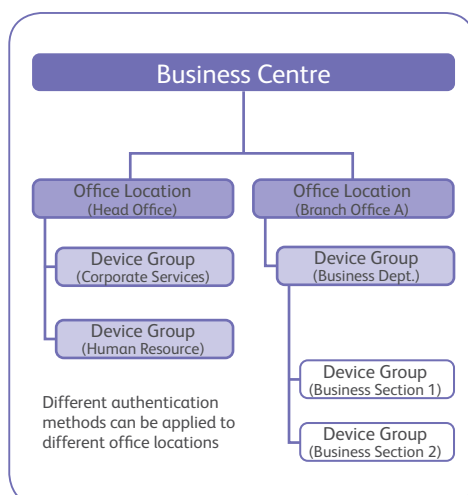
Discard the conventional circuitous route of entering setup information at every device. Using the Device Setup tool, all connected devices can be set up from 1 workstation. Be it basic information, user rights and access restrictions, mailbox addresses or job flows, every piece of information can be managed collectively from a single administrative point.

• Additional simplification tools

Setups can be further simplified by using CSV files. Settings can even be created in a table format in Microsoft® Excel®, thus multiple devices can be set up simultaneously.



Batch Registration



Batch management of multiple devices

What used to be overwhelming is now simple with the ApeosWare Management Suite's elegant batch management* of multifunction devices and printers in a network.

* Basic information, user restrictions, address books, mailboxes, IP address reception restrictions, receiving domain restrictions, etc.

Hierarchical management of detailed settings

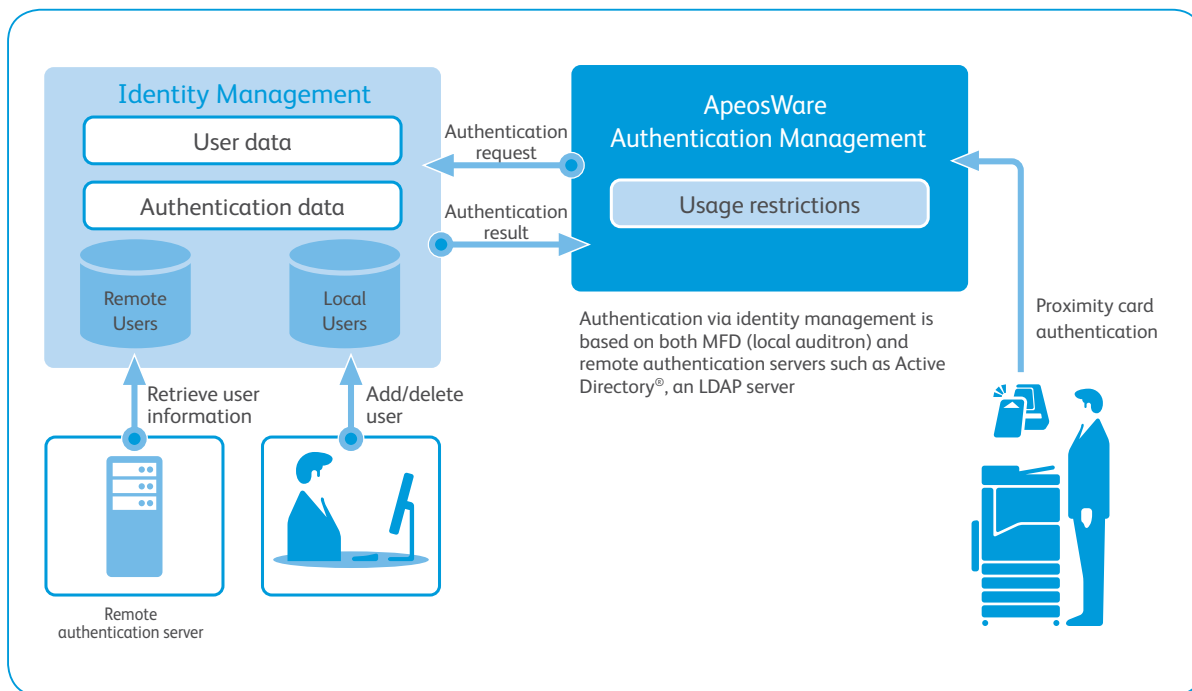
Devices' detailed settings can be managed in a wide variety of ways, be it hierarchically, by business locations or by departments.

User Management

Usage management via authentication

ApeosWare Authentication Management aids management and usage of multifunction devices and printers through easy-to-implement but secured authentication procedures. It is a robust software that facilitates linkages to remote authentication servers such as Active Directory®, thereby utilising past user information effectively.

Promotes secured and speedy authentication with proximity cards.



Authentication

Secured user authentication

Existing user information in Active Directory® can be used to facilitate authentication. Users can simply select the device required and authenticate their identities at the device control panel using various options:

- Quick authentication using proximity cards
Just by tapping their proximity or employee cards over the card reader, users can authenticate their identities for device usage.
- Extra secured authentication using proximity cards + passwords
Elevate operational security with a combination of proximity cards and passwords.
- Convenient authentication using direct input at the control panel
Even when users do not have their

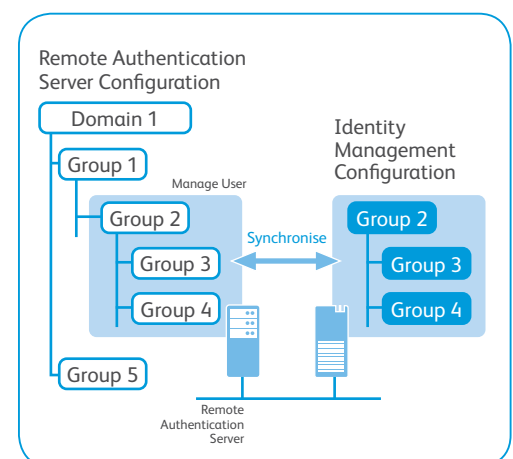
proximity cards on hand, they can still use the device by inputting key information and passwords at the device control panel.

Automatic synchronization of user information

Any change in user data registered on the Active Directory®, an LDAP server, is automatically compared and synchronised with user information on the Identity Management tool. This heightens security and efficiency in operating a multifunction device.

Compatible with various types of servers

Highly secured yet allows for flexible connections with various remote authentication servers other than Active Directory®, an LDAP server. Facilitates easy imports of all existing user information.



Management

Detailed restriction in using devices and functions

Besides Active Directory®-linked authentication, usage restrictions for copy, print, scan, and fax functions can also be set for individual users or user groups. By setting usage parameters for a group, usage limitations and privileges for all users in the group are aligned.

Temporary user authentication enables flexible management

Part-timers and contract employees can be registered as “temporary users” with temporary access to a device, with or without restrictions for a specified limited period.

Hassle-free self-registration by users

Requiring minimal administrative setup,

Usage Restriction/
Administrative Settings

		Usage Restrictions				Administrative Settings	
		Copy	Print	Scan	Fax	Device Administration	User Administration
System Administrator	Full Colour	×	×	○	○	○	×
	Monochrome	○	○	○	○	○	×
Employee	Full Colour	×	×	×	×	×	×
	Monochrome	○	○	×	×	×	×
Group A	Full Colour	○	○	○	○	×	×
	Monochrome	○	○	○	○	×	×
Group B	Full Colour	×	×	×	○	×	×
	Monochrome	○	○	○	○	×	×

users can simply register or update their information using their proximity cards.

Allocating administrative tasks to other network operators

The system allows for registration of 2 types of administrators: the device

administrator and the data collection administrator. By simply tapping their proximity cards on the multifunction devices, each administrator can use the devices in their respective administrator mode. This is a boost to flexible administration and efficient distribution of work load among administrators.

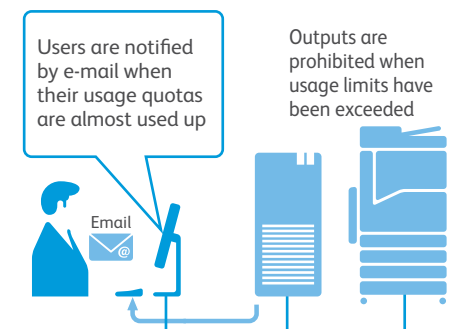
Output Restrictions

Setting quantity restrictions for each user or user group

By utilizing Output Quota Option, the quantity output of each user or user group can be specified and limited. Usage limits and status can also be monitored regularly and conveniently using a Web browser interface.

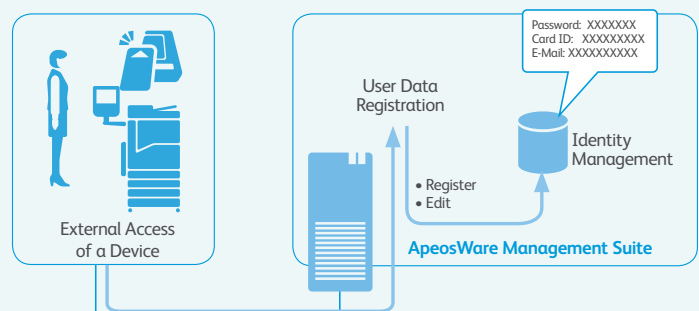
Warning notifications via e-mail

A notification will be automatically e-mailed in a timely matter to users when their quantity limits draw near. Similarly, quantity limit hits will trigger off an output-halt notification e-mail.



User Data Registration function

Card authentication allows users to log into a device quickly and easily. Registration and modification of the card ID are made easy via the IC card reader. Users can register their card IDs into the system individually and saves time and hassle for the system administrator.



Log Management

Consolidating and analysing job reports

ApeosWare Log Management collects and categorises usage data at each multifunction device and printer for convenient analysis via a Web browser. Not only does it enhance traceability of jobs, it also presents meaningful information on a user-specified interface.

Collects and stores job logs regularly. Centralises usage management of devices.

AWLM newly supports Wide Format device (DocuWide 3035), so that job logs of MFD, printer and Wide Format can be collected in one AWMS server.

Collection

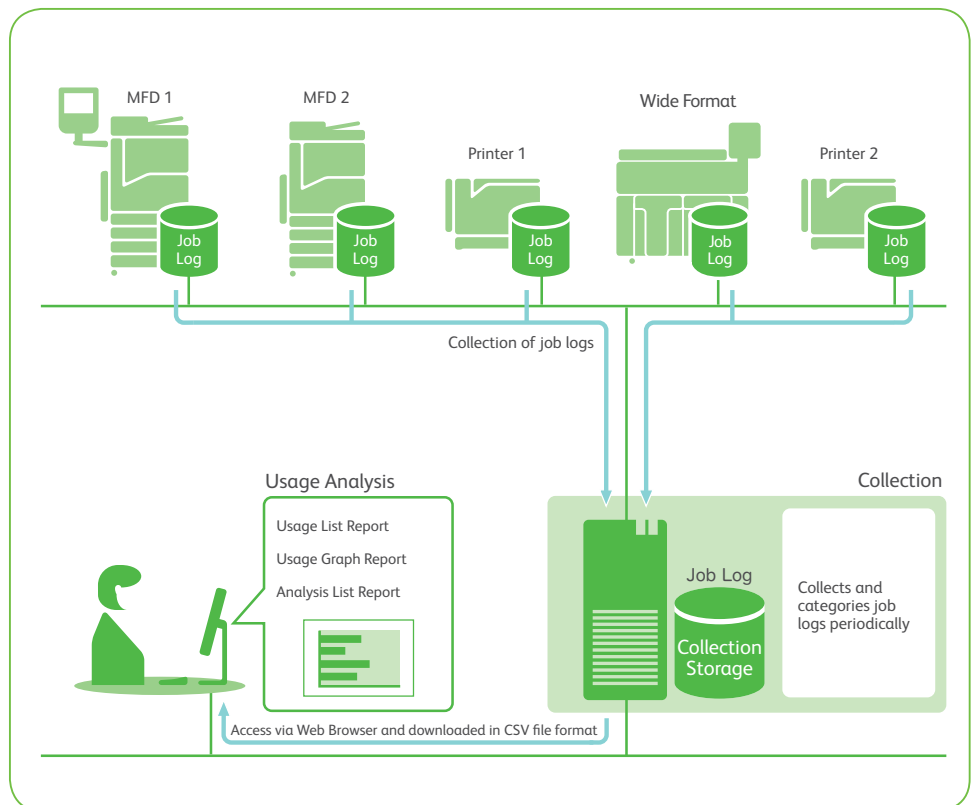
Collection of job logs via the network

ApeosWare Log Management directly collects these job logs from MFD, printer and Wide Format... stores them in a centralised database through the network, facilitating convenient analysis of the usage status.

* Not applicable to some models.

Convenient collection of fax transmission jobs

This software has a unique feature especially useful for companies that conduct business transactions through faxes. It allows for effortless extraction of all relevant fax transmission data from job logs for downloading in CSV format files. Smart organising and sharing of information can be achieved using Microsoft® Excel® while searches can be conducted based on specifications such as the device, user, date and time.



Job logs on device setting



Analysis

Extraction of information using multiple specifications

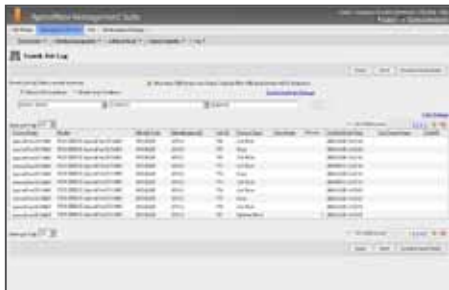
Tracking users, departments, dates is as easy as specifying the required parameters using a user-friendly Web browser. Within

minutes, the who, what, when, where and how of each and every document are neatly extracted and categorised into an easy-to-read format or graph.

① Usage List Report

Supports efficient consolidation and creation of reports, by aggregating critical usage statistics and sorting them out in pre-determined categories and lists.

Usage List Report



② Usage Graph Report

Turns voluminous data into at-a-glance meaningful graphs by consolidating data for each department, user and device for easy viewing on a Web browser. Facilitates analysis of device performance from different perspectives, to achieve an optimal balance between device capacities and usage requirements. Benefits abound for maximising resources, minimising costs, and accurate calculation of charges.

Usage Graph Report



③ Analysis List Report

- Analysis of improvement targets
Facilitates productive management and establishment of improvement targets via analysis of alternative task settings selections.
- Comparative analysis based on paper size conversions
Improvement targets can be set more purposively by basing usage quantities on A4 size documents.

Analysis List Report

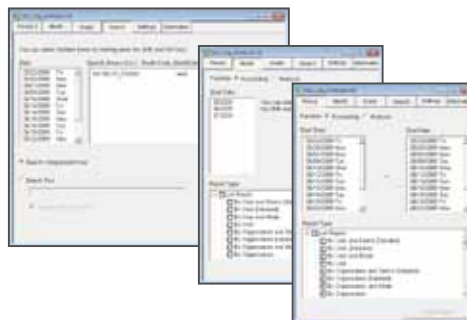


Can the reports be customised?

Using the Job Log Analyzer tool to collate job logs stored in ApeosWare Log Management, every report can be customised, be it to support ISO14001 compliance reporting or to create more detailed graphs.

The Job Log Analyzer can import job log file of 3rd party device, so that usage of 3rd party device can be reported as well.

Since this is a Microsoft® Excel® macro program, collated lists and graphs can be edited and processed in Excel® worksheets for compatible usage with other applications.



Automated Reporting

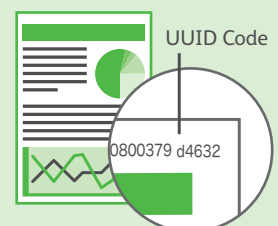
Accounting List Reports, Accounting Graph Reports or Analysis List Reports can be automatically created. These automatically created reports can be set to be converted into html or CSV file formats and sent as e-mail attachments.

Accounting Period: 2015/06-2015/06				
Specify Organisation: Not Specified				
Specify Device: Not Specified				
Device Type: Copier, Fax, Mailbox, Scanner, Inkjet, Toner, Filling, Fax, Control Panel				
Accounting Key By Date				
Organisation Name	User Name	Target Allocation	2015/06/01	2015/06/02
Development Department	John	100000	100	100
Development Department	John	100000	200	140
Development Department	John	100000	200	100
Development Department	John	100000	400	100
Development Department	John	100000	200	100
Development Department	John	100000	200	100

Comprehensive management of paper output through UUID* searches

A thorough from-input-to-output management of paper output can be further enhanced through UUID* marked job logs using ApeosWare Log Management. UUIDs are useful search tags via the combined capabilities of this software and the ApeosPort-II, III or IV series that can print UUID codes on output sheets.

* Universally Unique Identifier



Log Management

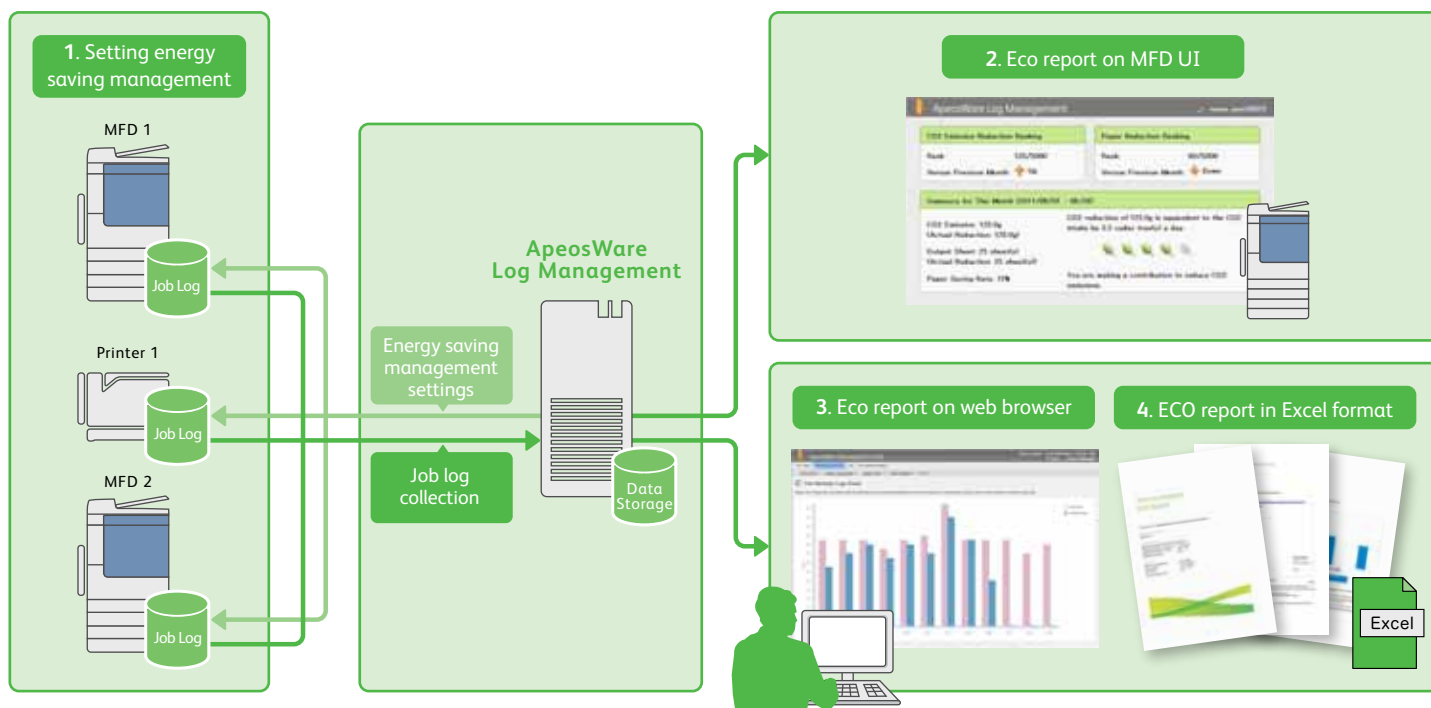
Consolidating and analysing job reports

ApeosWare Log Management collects and categorises usage data at each multifunction device and printer for convenient analysis via a Web browser. Not only does it enhance traceability of jobs, it also presents meaningful information on a user-specified interface.

Monitoring the device usage status to improve the environmental awareness of each and every employee.

Promoting Ecology

Promoting ecology/energy saving with four functions



1. Setting energy saving management

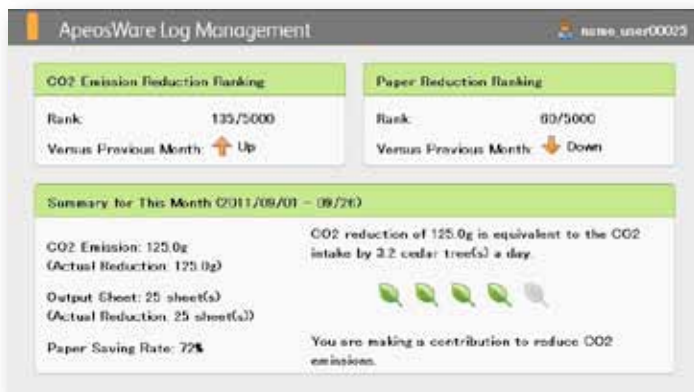
The time for entering the power saver mode suitable for each multifunction device and printer can be automatically calculated and set by analyzing the usage history based on the job logs collected from each device and printer. Detailed calculation by day of the week and by hour enables the extending of time to enter power saver mode during time periods when devices are frequently used, and shortening the entering time when usage is not as frequent. This promotes reductions in power consumption without sacrificing user convenience.

* Reduction of power consumption may not be achieved, depending on operation conditions of the customer's devices.



2. Usage Status Display Service

Rankings of usage status such as CO₂ emissions reduced and amount of paper saved can be displayed on the device control panel for each authenticated user. This helps raise the user's ecological awareness and promotes environmentally friendly use.



① CO₂ emission reduction ranking

- Displays the user's ranking for CO₂ emissions reduced within the department.
- Displays changes from the previous month with arrows.

② Paper reduction ranking

- Displays the user's usage of paper reduced within the department.
- Displays changes from the previous month with arrows.

③ Current month summary

Displays the CO₂ emission, paper output performance and ecological printing ratings in five levels displayed with leaf icons.

3. Eco Information Accounting

Eco information accounting enables you to create graphs indicating the totals for power consumption and paper usage, to perform accounting for CO₂ emissions and displays these in a Web browser. The monthly transition of consumed power and paper can be checked, and CO₂ emissions per user or department can be confirmed.

③ Total power usage display.

Displays the total values for all multifunction devices/printers subject to accounting of power usage amounts.



③ Total paper usage display

Displays the total paper usages for all registered multifunction devices/printers.



③ CO₂ emissions (kg) display

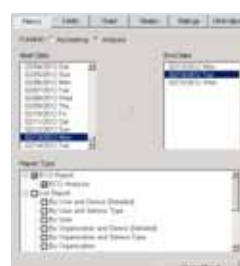
CO₂ emissions can be calculated and listed based on per department, user, device, or account.



4. ECO Report Creation

The Job Log Analyzer tool* can be used to create "ECO reports" that calculate and analyze information such as CO₂ emissions and paper usage per device or per user from the job logs saved in ApeosWare Log Management. Reports are created with a Microsoft® Excel® worksheet, and can be printed or edited/processed.

* The Job Log Analyzer is a tool included in ApeosWare Log Management.



Print Management

Organisation and management of outputs

With ApeosWare Print Management, users enjoy smooth printing processes either by selecting a printer using on demand printing or by benefiting from the software's capability as an automated print server, depending on individual needs. Other useful features include setting output restrictions and triggering prompt warning notifications.

Supports timely print outputs. Facilitates user output restrictions for maximum TCO reduction.

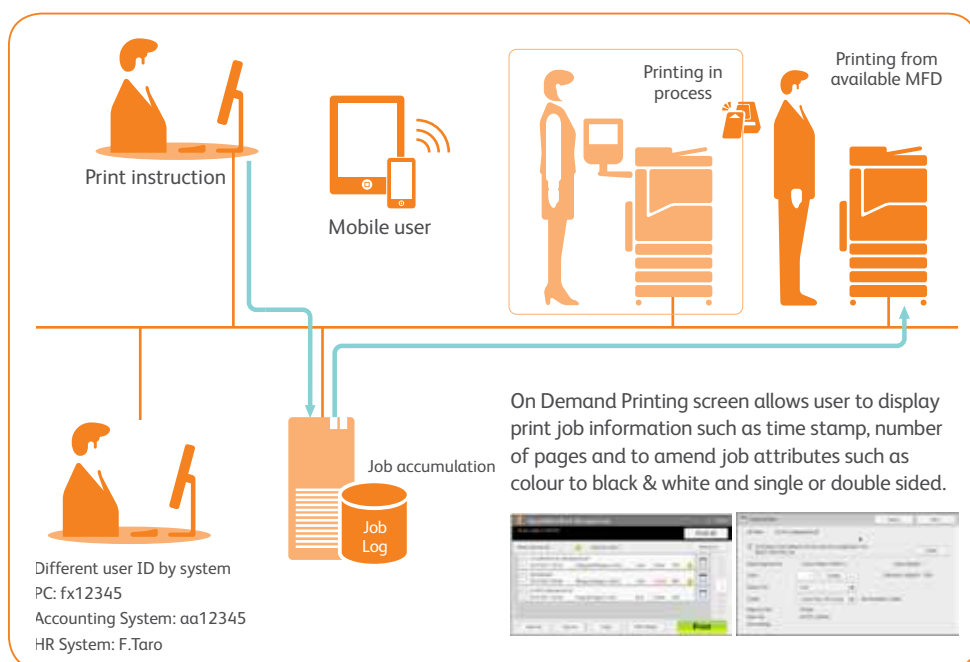
Application of On Demand Printing

Smooth outputs through printer selection

Print instructions sent from a client PC can be maintained on a server and carried out from an available authenticated multifunction device*. Such instructions can be promptly carried out or deleted from the server as required. On Demand Printing can also allow mobile users to print from iPad™, iPhone® and iPod touch® devices*². Multiple user ID support can allow a user to use multiple IDs for printing. A user can print specifying the user when the user is using different user ID by system such as mission critical system.

*The optional External Access Kit is necessary for this function. Please confirm the compatible models on the Fuji Xerox homepage.

*2 Print Utility for iOS is required for iPad, iPhone, and iPod Touch devices. Print Utility for iOS can be downloaded for free from Apple App Store.



Application as a Print Server

Automated routing of output device destination, for higher productivity

ApeosWare Print Management is a dynamic tool that empowers effective use of all available multifunction devices and printers for speedy and efficient processing, through alternative printing and distributed printing.

- Alternative printing

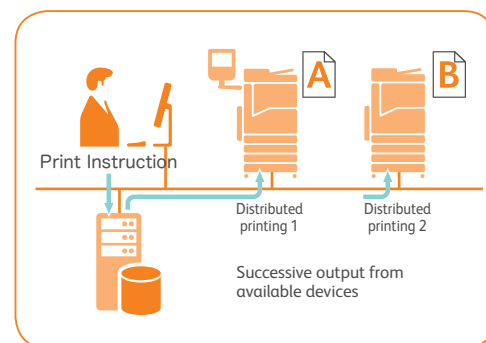
Delivering a simple yet smart solution, this software automatically routes the print job to the next available printer when the default one is not functioning. An instant notification regarding device location completes the job perfectly.

- Distributed printing

The distributed print feature allows print jobs to be distributed among print devices. This ability to fully utilise all available print resources reduces print time and improves productivity.

Force duplex and black and white printing

Printing restrictions have never been more conveniently enforced. Users can be easily limited to duplex or black and white printing with minimal fuss to reduce wastage and costs.



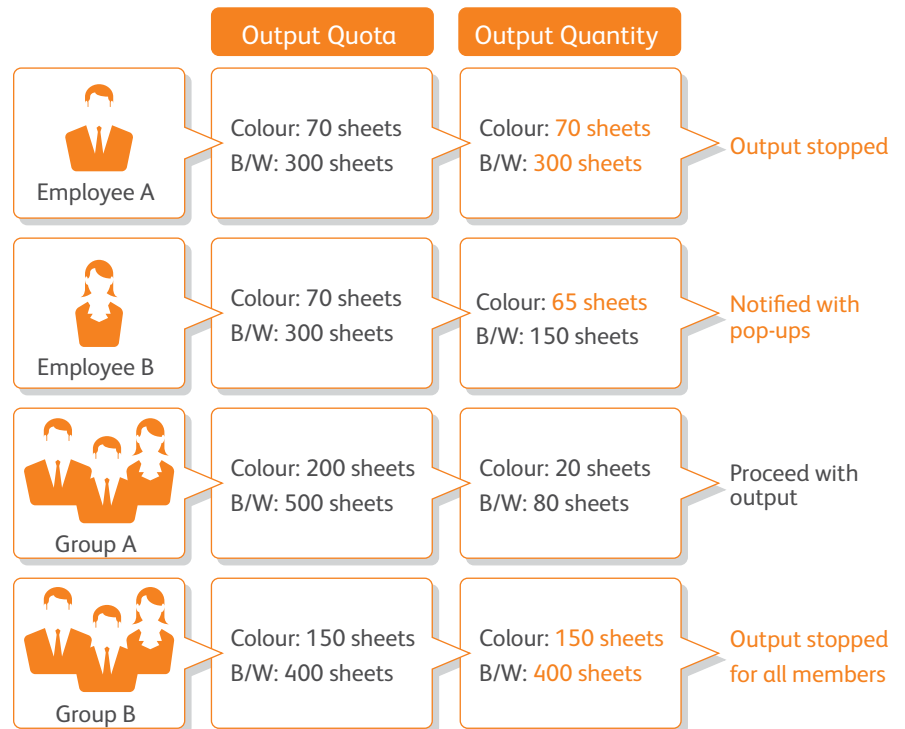
Setting print quantity restrictions*

Usage quantity restrictions can be set up for an user or user group accessing the printers, resulting in an efficient reduction in TCO. In addition, for on demand printing, usage quantity restrictions can be limited to a specified validity period.

* Usage restrictions for each user or group are set in ApeosWare Authentication Management with Output Quota Option

Warning notifications via instant pop-ups

A notification will be automatically sent in a timely matter to users when their quantity limits draw near. Usage limits and status can also be monitored regularly and conveniently using a Web browser interface.



System Scalability

Stable processing of large-volume print jobs

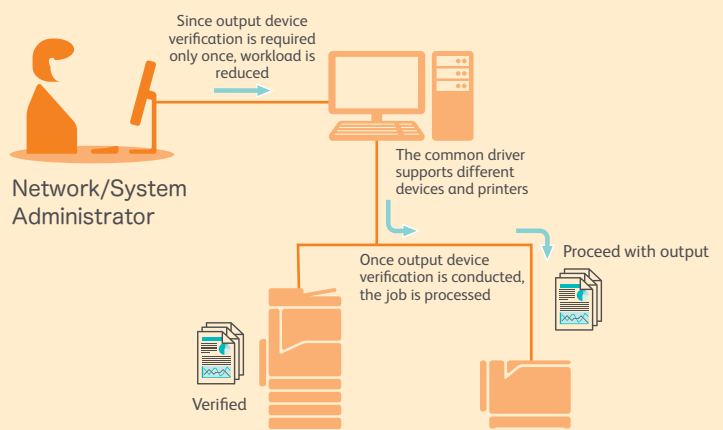
With ApeosWare Print Management, multiple print servers can be set up in diverse network locations as required by printing demands. This facilitates distribution of printing requirements across various print servers, thereby maintaining a stable network.

* Professional Edition only.

Standardization of printer drivers

With Fuji Xerox Multi-model Print Driver 2, setting up printer drivers is a breeze even in a network with multiple devices and printers*. A standardised printer driver results in hassle-free replacement and installation of new printers, culminating in stable and productive print output management.

* Please confirm the compatible models on the Fuji Xerox homepage.

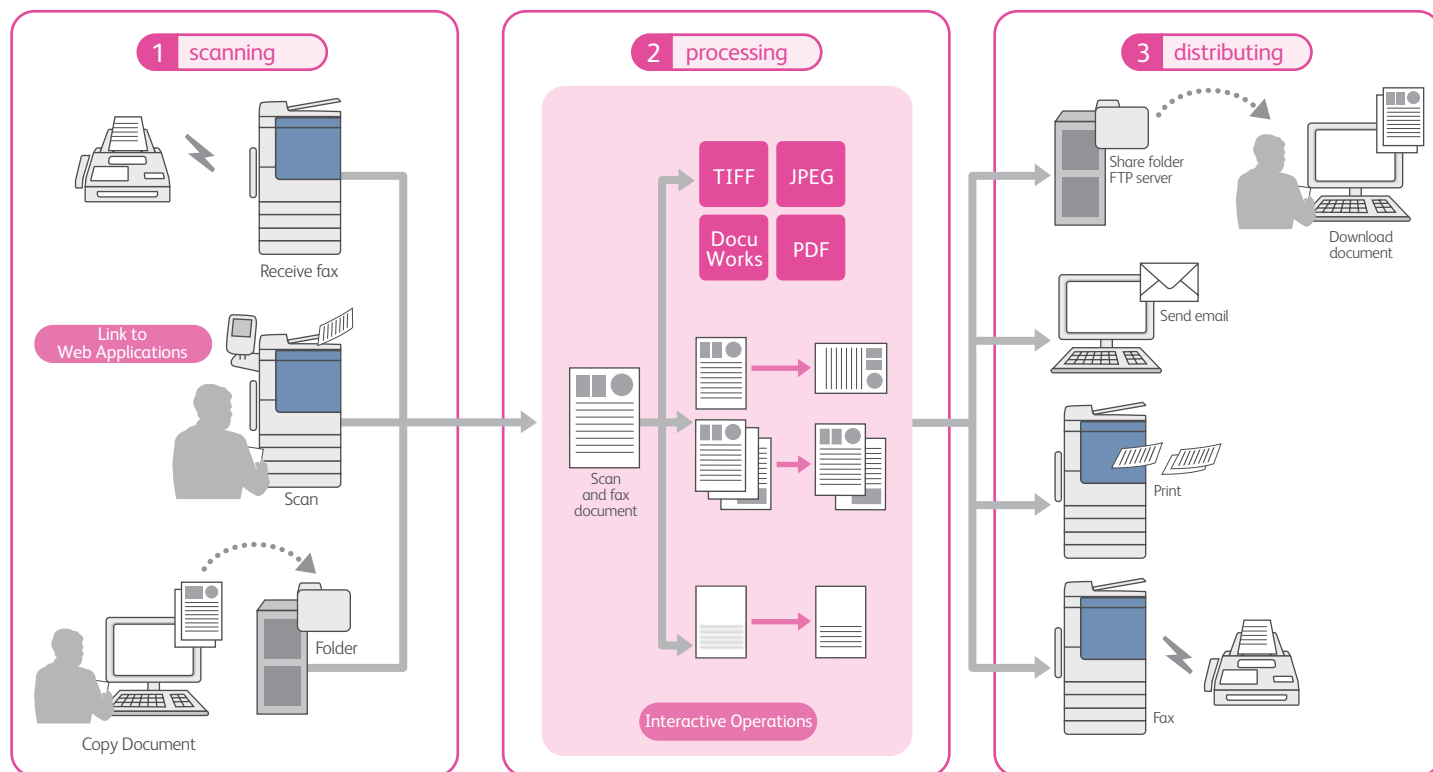


Document Distribution

Automation of Complex Processes

ApeosWare Flow Management software automates the processes for finishing and sending documents. A document can be processed by registered procedures within the ApeosWare Flow Management. It can be saved by scanning and conveniently sent to intended recipients automatically.

Run complex processes easily by registering a sequence for scanning, finishing and sending documents.



1 Scanning

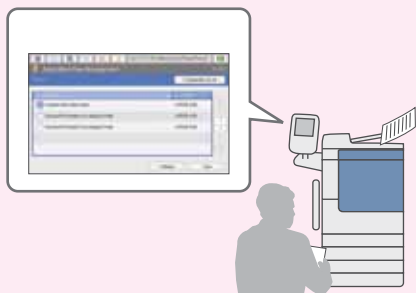
3 Sources Of Documents in Transmission

The ApeosWare Flow Management can automate a sequence of procedures based on the manner in which the documents are received, namely by facsimile, by scanner with Link to Web Applications or Paper UI, or by PC.

Link to Web Applications are also available

A document can be processed by linking a device such as ApeosPort-III or later, which supports Link to Web Applications*. Processing and finishing can be completed automatically, by selecting the sequence on the control panel of any ApeosPort.

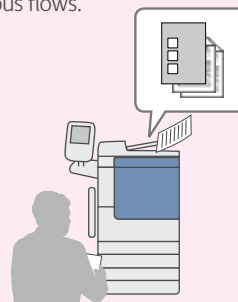
* External Access Kit for ApeosPort required.



Paper UI helps users set flow settings easier

The Paper UI* allows users to set flow settings by ticking check boxes or filling in by hand. Once users set a Paper UI as a cover page and scan original documents, they will be automatically processed. Users can easily and flexibly operate scan flows by paper UI without pre-configure various flows.

* ApeosWare Flow Management Paper Form Option required.



2 Processing

Image processing

Various finishing processes are available for scanned documents.

- Automatic tilt adjustment • Noise reduction
- Tilt correction • Rotation • Border erase
- Resolution conversion • Blank page skipping
- Blank page separation • Blank page document separation

■ Advanced settings are also applicable.

Image processing can be optimised to match the type of document by specifying the equalisation-enlargement ratio, the correction method, and the threshold.

Format Conversion:

Scanned documents can be converted to DocuWorks documents */high-compression DocuWorks documents*, PDF/high-compression PDF, and fine PDF

*DocuWorks 7.0 or later, which is sold separately is required.

■ DocuWorks documents conversion

- Annotations settings: Add text annotations, such as the date/time, sender ID, or region specific OCR results as notes.
- <Others> • Security settings • Attachments of OCR results • High-compression DocuWorks documents

■ PDF document conversion:

Supports high-compression PDF files which efficiently compress data by separating the characters and images, thereby reducing the load on the network.

*Only supports full color documents.

■ Filtering conditions:

- Date/time • Document name by using OCR results • Sender ID for faxes • Combination of different attributes

■ Fine PDF conversion:

Supports fine PDF files which are compressed more than high-compression PDF and have high quality text. The text information extracted using OCR processing can be searched and copied from applications using PDF because the text is stored in the fine PDF.

*ApeosWare Flow Management Fine PDF Creator is required. This option is required to pass results in PDF. The text information can be extracted using OCR processing. The OCR processing function can be used on any device, even if the OCR function is not built into each device.

■ Zone specific OCR:

OCR processing can be used for specified regions on specific pages in addition to entire documents. The OCR results can be set by the document name.

■ Function to set the document name:

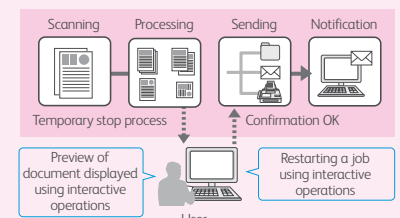
A sequence can be identified by automatically setting the document name using attributes of the information such as the OCR results, sender ID, or the date. A sequential number can also be automatically added to the end of a document name.

ID barcode on a document also can be detected. ApeosWare Flow Management OmniPage Barcode Reader Option is required.

*1 AWFM QR Code Reader required.

*2 AWFM OmniPage Barcode Reader Option required.

Interactive operations are also available. Temporarily stopping of the finishing process is possible. This is done to confirm processing results using a web browser or a change in the attributes. An even more accurate automated process can be achieved by confirming the results through an excessive OCR process.



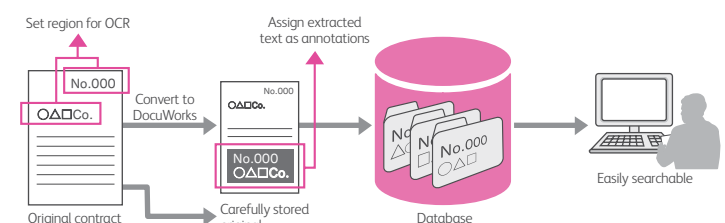
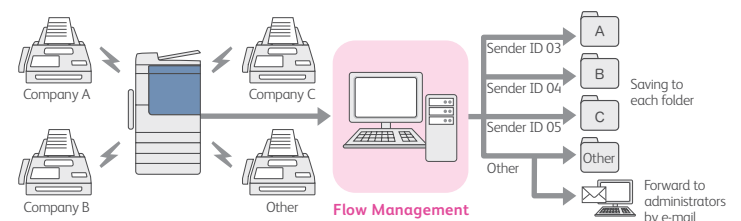
3 Distributing

Improve your document management with intelligent features

This process determines where the documents are saved or sent, based on the receiving conditions of the documents. Received documents can be directly sent to shared folders, printers, emails and faxes. The locations to send these documents are determined by date and time, document name by using OCR and IDs for faxes or by a combination of different attributes. It can be programmed to assign documents for printing on a working day as well as save digital information received during weekends.

■ Filtering conditions:

- Date/time • Document name by using OCR • Sender ID for faxes • Combination of different attributes



Operational Environment

Operational Environment for ApeosWare Management Suite 1.3.1 [Environment Required for Server]

■ Standard Edition

items	Contents	
	ApeosWare Device Management 1.3.1 ApeosWare Log Management 1.3.1 ApeosWare Flow Management 1.3.1	ApeosWare Authentication Management 1.3.1 ApeosWare Print Management 1.3.1
Operating system ^{*1} <ul style="list-style-type: none"> Japanese English Korean Traditional Chinese Simplified Chinese 	Windows Server® 2003, Standard Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003, Enterprise Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003 R2, Standard Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003 R2, Enterprise Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2008 Standard [Service Pack 2] ^{*2*3*4*5} Windows Server® 2008 Enterprise [Service Pack 2] ^{*2*3*4*5} Windows Server® 2008 R2 Standard (x64) [Service Pack 0/1] ^{*2*3*4*6} Windows Server® 2008 R2 Enterprise (x64) [Service Pack 0/1] ^{*2*3*4*6} Windows® XP Professional [Service Pack 3] Windows Vista® Business [Service Pack 2] ^{*7*8} Windows® 7 Professional [Service Pack 1] ^{*9} Windows® 7 Enterprise [Service Pack 1] ^{*9} Windows® 7 Professional (x64) [Service Pack 1] ^{*6*9} Windows® 7 Enterprise (x64) [Service Pack 1] ^{*6*9}	Windows Server® 2003, Standard Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003, Enterprise Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003 R2, Standard Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2003 R2, Enterprise Edition [Service Pack 2] ^{*2*3*4} Windows Server® 2008 Standard [Service Pack 2] ^{*2*3*4*5} Windows Server® 2008 Enterprise [Service Pack 2] ^{*2*3*4*5} Windows Server® 2008 R2 Standard (x64) [Service Pack 0/1] ^{*2*3*4*6} Windows Server® 2008 R2 Enterprise (x64) [Service Pack 0/1] ^{*2*3*4*6}
CPU	Server PC operating system: Minimum Intel® Xeon® 5506 2.13GHz equivalent (4 Cores and above) Recommended Intel® Xeon® 3450 2.67GHz equivalent or faster (4 Cores and above) Client PC operating system: Intel® Core™2 Duo 2.0GHz equivalent or faster (2 Cores and above)	
Hard disk ^{*10}	One of either ApeosWare Device Management, ApeosWare Log Management, or ApeosWare Authentication Management: 30GB or more free disk space ^{*10} Two of either ApeosWare Device Management, ApeosWare Log Management, or ApeosWare Authentication Management: 30GB or more free disk space ^{*10} All of ApeosWare Device Management, ApeosWare Log Management, and ApeosWare Authentication Management: 30GB or more free disk space ^{*10} ApeosWare Print Management: 35GB or more free disk space ^{*10*11} ApeosWare Flow Management: 65GB or more free disk space ^{*10*11} All software, or a combination not mentioned above: 80GB or more free disk space	
Memory	*See the table at the below.	
Network card	Yes (supports a configuration of up to 2 cards)	
Network protocol	TCP/IP protocol	
Display	XGA (1,024 x 768 pixels) or higher	
Web service	Internet Information Services 5.1 Internet Information Services 6.0 Internet Information Services 7.0 Internet Information Services 7.5 ^{*13} Internet Information Services 8.0	
Other hardware	DVD-ROM drive is necessary	
Other software	SQL Server® 2008 [Service Pack 3] ^{*17} SQL Server® 2008 R2 [Service Pack 1/2] .NET Framework 3.5 [Service Pack 1] .NET Framework 3.5.1 Network Scanner Utility 2 Ver.5.9.4 or later ^{*15} DocuWorks 7 or later ^{*16}	
Virtualization software	[VMware] ESX 3.5 ^{*13} /4.0 ESXi 3.5 ^{*18} /4.1/5.0 vSphere 4.0/4.1 vSphere 5.0 (vSphere Hypervisor/Essentials/Essentials Plus/Standard/Enterprise/Enterprise Plus) [Hyper-V] Hyper-V 1.0 ^{*18} : Windows Server® 2008 Standard /Enterprise /Datacenter (x64) [Service Pack 1/2] Hyper-V 2.0: Windows Server® 2008 R2 Standard (x64)/R2 Enterprise (x64)/R2 Datacenter (x64) [Service Pack 1/2] [Citrix® XenServer®] XenServer® 5.6: Advanced Edition/Enterprise Edition/Platinum Edition XenServer® 6: Advanced Edition/Enterprise Edition/Platinum Edition	

*1: Not guaranteed to operate with Windows® Remote Desktop. Operation guaranteed for installation of ApeosWare Management Suite only.

*2: ApeosWare Management Suite cannot be installed to an operating system in which a domain controller is running.

*3: ApeosWare Management Suite cannot be installed to an operating system that supports Intel® Itanium® processors.

*4: Supports English operating systems that support the Multilingual User Interface Language Packs and have a Japanese language pack applied.

*5: The Server Core option is not supported. Do not select the Server Core option when installing the operating system.

*6: With 64-bit versions, ApeosWare Management Suite runs on the WOW64 (Windows® 32-bit on Windows® 64-bit) emulation layer sub system.

*7: Configurations with 1GB of memory are not supported with Windows Vista®.

*8: ApeosWare Flow Management is not supported by Windows Vista®.

*9: InThe multi-touch (Windows® Touch) function is not supported.

*10: Includes 1 GB of space for each of the operation logs for Device/Authentication/Log Management, 4 GB for Print Management, and 3 GB for Flow Management.

The space is calculated based on the data for one month (8 hours/day for 20 days). Increase hard disk space or back up some operation logs to a different storage medium as needed.

*11: A further 5GB of space is required when ApeosWare Log Management and/or ApeosWare Authentication Management is included.

*12: Enabling 32-bit applications on 64-bit operating systems is not supported.

*13: Only Windows® 7 is supported for 32-bit environments, and only Windows® 7 and Windows Server® 2008 R2 are supported for 64-bit environments.

*14: .NET Framework 3.5.1 is not on the installation disk because it is included in Windows® 7 and Windows Server® 2008 R2 as standard.

*15: Required for accessing device folders with ApeosWare Flow Management for certain devices. Not required when accessing only the following devices with WebDAV.

ApeosPort-IV C5575/C4475/C3375/C3373/C2275	DocuCentre-IV C5575/C4475/C3375/C3373/C2275	DocuCentre-III C4400
ApeosPort-IV C7780/C6680/C5580	DocuCentre-IV C2265/C2263	DocuColor 1450 GA
ApeosPort-IV C5570/C4470/C3371/C3370/C2270	DocuCentre-IV C7780/C6680/C5580	DocuPrint CM505 da
ApeosPort-IV C4430	DocuCentre-IV C5570/C4470/ C3371/C3370/C2270	DocuCentre-IV 7080/6080
ApeosPort-III C7600/C6500/C5500	DocuCentre-IV C4430	DocuCentre-IV 3065/3060/2060
ApeosPort-III C4400	DocuCentre-IV C2260	DocuCentre-IV 5070/4070
ApeosPort-III C3300/C2200/C2201	DocuCentre-III C7600/C6500/C5500	DocuCentre- III 3007/2007
ApeosPort-IV 7080/6080	DocuCentre-III C4100/C3100	4127/4112
ApeosPort-IV 5070/4070/3070	DocuCentre-III C3300/C2200/C2201	

*16: Required for using the function to convert data into DocuWorks documents, function to convert DocuWorks documents into other data, for printing DocuWorks documents or using the OCR processing function with ApeosWare Flow Management.

*17: Supported only when performing ApeosWare Management Suite update installation.

*18: ApeosWare Flow Management will not be supported.

■ Memory (the required amount of memory differs according to the amount of jobs processed and the number of devices connected)

Windows® XP, Windows Vista®, Windows® 7, Windows® 7 (x64)

Yes: Can operate No: Cannot operate

OS	Windows® XP			Windows Vista®			Windows® 7			Windows® 7 (x64)		
Memory required	≥ 1GB	≥ 2GB	≥ 4GB	≥ 1GB	≥ 2GB	≥ 4GB	≥ 1GB	≥ 2GB	≥ 4GB	≥ 1GB	≥ 2GB	≥ 4GB
AWDM	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
AWLM	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
AWDM and AWLM	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	No	Yes
AWFM (Not using the interaction process function)	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No	Yes
AWFM (Using the interaction process function)	No	Yes	Yes	No	No	No	No	No	Yes	No	No	Yes
AWFM (Using Paper Form Option)	No	No	Yes	No	No	No	No	No	Yes	No	No	Yes

* It may take longer time to transfer to a screen depending on the processing amount of the flow job.

Windows Server® 2003, Windows Server® 2003 R2, Windows Server® 2008, Windows Server® 2008 R2 (x64)

Yes: Can operate No: Cannot operate

Memory required	2GB or more	4GB or more
AWDM	Yes	Yes
AWLM	Yes	Yes
AWAM	Yes	Yes
AWPM	Yes	Yes
AWFM	No	Yes
All excludes AWFM	Yes	Yes
All includes AWFM	No	Yes
All software	No	Yes

* 4GB or more of memory is required only when ApeosWare Flow Management is included.

■ Professional Edition

items	Contents	
	ApeosWare Device Management 1.3.1 ApeosWare Log Management 1.3.1 ApeosWare Authentication Management 1.3.1 Professional	ApeosWare Print Management 1.3.1 ApeosWare Flow Management 1.3.1 Professional Edition
Operating system ^{*1*2*3*4}	Windows Server® 2003, Standard Edition [Service Pack 2] Windows Server® 2003, Enterprise Edition [Service Pack 2] Windows Server® 2003 R2, Standard Edition [Service Pack 2] Windows Server® 2003 R2, Enterprise Edition [Service Pack 2] Windows Server® 2008 Standard [Service Pack 2] ^{*5} Windows Server® 2008 Enterprise [Service Pack 2] ^{*5} Windows Server® 2008 R2 Standard (x64) [Service Pack 0/1] ^{*6} Windows Server® 2008 R2 Enterprise (x64) [Service Pack 0/1] ^{*6}	
CPU	Minimum: Intel® Xeon® processor 5506 sequence, 2.13 GHz equivalent ^{*17} . Recommended: Intel Xeon processor 3450 sequence, 2.67 GHz equivalent or faster ^{*17} .	
Hard disk ^{*10}	One of either ApeosWare Device Management, ApeosWare Log Management, ApeosWare Authentication Management: 85GB or more free disk space Two of either ApeosWare Device Management, ApeosWare Log Management, ApeosWare Authentication Management: 85GB or more free disk space All of ApeosWare Device Management, ApeosWare Log Management, ApeosWare Authentication Management: 85GB or more free disk space ApeosWare Print Management: 100GB or more free disk space ApeosWare Flow Management: 130GB or more free disk space Space requirements are based on monthly data (8 hours/day for 20 days) Expand hard disk capacity as needed or backup selected operations logs to a separate media.	
Memory	Regardless of the OS and software installed, installation will require a minimum of 4GB of free space.	
Network card	Yes (Supports a configuration of up to 2 cards)	
Network protocol	TCP/IP protocol	
Display	XGA (1,024 x 768 pixels) or higher	
Web service	Internet Information Services 5.1 / 6.0 / 7.0 / 7.5 ^{*9} / 8.0	
Other hardware	DVD-ROM drive is necessary	
Other software	SQL Server® 2008 R2 Standard Edition [Service Pack 1/2] ^{*10} SQL Server® 2008 R2 Express Edition [Service Pack 1/2] ^{*11} .NET Framework 3.5 [Service Pack 1], .NET Framework 3.5.1 ^{*12} , .NET Framework 3.5 (include .NET 2.0 or 3.0) Network Scanner Utility 2 Ver.5.9.4 or later ^{*13} DocuWorks 7 or later ^{*14}	

Operational Environment

■ Operational Environment for ApeosWare Management Suite 1.3.1 [Environment Required for Client PCs]

■ Operational Environment for the Web Client

items	Contents
Operating system ^{*1} <ul style="list-style-type: none"> Japanese English Korean Traditional Chinese Simplified Chinese 	Windows® XP Professional [Service Pack 3] Windows Server® 2003, Standard Edition [Service Pack 2] Windows Server® 2003, Enterprise Edition [Service Pack 2] Windows Server® 2003 R2, Standard Edition [Service Pack 2] Windows Server® 2003 R2, Enterprise Edition [Service Pack 2] Windows Vista® Business [Service Pack 2] Windows Server® 2008 Standard [Service Pack 2] Windows Server® 2008 Enterprise [Service Pack 2] Windows® 7 Professional [Service Pack 0/1] Windows® 7 Enterprise [Service Pack 0/1] Windows® 7 Professional (x64) [Service Pack 0/1] Windows® 7 Enterprise (x64) [Service Pack 0/1] Windows Server® 2008 R2 Standard (x64) [Service Pack 0/1] Windows Server® 2008 R2 Enterprise (x64) [Service Pack 0/1]
Applicable hardware	Conforms to the operational conditions of the OS.
Network protocol	TCP/IP protocol
Web browser ^{*2}	Internet Explorer® 6. [Service Pack 2] or later. Internet Explorer® 7 without Service Pack Internet Explorer® 8 without Service Pack Internet Explorer® 9 without Service Pack Mozilla® Firefox® 18.0 ^{*3} Mozilla® Firefox® 19.0 ^{*3}

^{*1}: Not guaranteed to operate with Windows® Remote Desktop.

^{*2}: Only 32-bit Web browsers are supported.

^{*3}: Does not support Paper Form Management.

^{*}: With ApeosWare Log Management, add the Adobe® Flash® Player 10.0.22.87 or later plug-in to the Web browser.

■ Operation Environment for the Printing Client PC (Windows®)

items	Contents
Operating system	Windows® XP Professional [Service Pack 3] Windows Server® 2003, Standard Edition [Service Pack 2] Windows Server® 2003, Enterprise Edition [Service Pack 2] Windows Server® 2003 R2, Standard Edition [Service Pack 2] Windows Server® 2003 R2, Enterprise Edition [Service Pack 2] Windows Vista® Business [Service Pack 2] Windows Server® 2008 Standard [Service Pack 2] Windows Server® 2008 Enterprise [Service Pack 2] Windows® 7 Professional [Service Pack 0/1] Windows® 7 Enterprise [Service Pack 0/1] Windows® 7 Professional (x64) [Service Pack 1] Windows® 7 Enterprise (x64) [Service Pack 1] Windows Server® 2008 R2 Standard (x64) [Service Pack 0/1] Windows Server® 2008 R2 Enterprise (x64) [Service Pack 0/1] Windows® 8 Professional (x86/x64)
Applicable hardware	Conforms to the operational conditions of the OS
Network protocol	TCP/IP protocol-based environment •Static IP address ^{*1} in IPv4 or IPv6 ^{*2} •DNS ^{*3}
PDL	ART EX*, PostScript, PCL* (created with the driver provided by Fuji Xerox)
Virtualization software	[Citrix® XenApp™] Operating systems that support the XenApp™ 5.0 Advanced/Enterprise/Platinum product: Windows Server® 2003 R2, Standard [Service Pack 2] Windows Server® 2003 R2, Enterprise [Service Pack 2] Windows Server® 2008 Standard [Service Pack 2] Windows Server® 2008 Enterprise [Service Pack 2] Windows Server® 2008 Datacenter [Service Pack 2] Operating systems that support the XenApp™ 6.0 Fundamentals, Advanced, Enterprise, and Platinum products: Windows Server® 2008 R2 Standard (x64) Windows Server® 2008 R2 Enterprise (x64) Windows Server® 2008 R2 Datacenter (x64)

^{*}: Supports forced two-sided printing and forced B&W printing (excluding on-demand devices).

^{*1}: ApeosWare Management Suite may not function properly if dynamic IP addresses are assigned using DHCP or other means.

^{*2}: IPv6 is supported on Windows Vista, Windows 7, and Windows Server 2008.

^{*3}: Single sign-on (granting a user access to multiple features once he/she logs in) is not available when ApeosWare Management Suite is operated, without using DNS, by specifying a URL with an IP address instead of FQDN.

Operation Environment for the Printing Client (Linux [®])	
Item	Contents
Distribution	Red Hat [®] Enterprise Linux [®] 6 Ubuntu 11.04 Vine Linux 5.2 CentOS 5.6
Applicable hardware	Same as the requirements for the distribution
Network protocol	TCP/IP protocol-based environment • Static IP address in IPv4 or IPv6 •DNS ^{*1}
PDL	PostScript [®]

^{*1}Single sign-on (granting a user access to multiple features once he/she logs in) is not available when ApeosWare Management Suite is operated, without using DNS, by specifying a URL with an IP address instead of FQDN.
^{*}: Japanese and English distributions are supported.

Operation Environment for the Printing Client (iOS)	
Item	Contents
OS	iOS 3.2 to 5.0.1 (iPAD) iOS 3.1.3 to 5.0.1 (iPhone) iOS 3.1.3 to 5.0.1 (iPod touch)
Applicable hardware	iPad iPhone 3G, iPhone 3GS, iPhone 4 iPod touch ^{*1}
Application	Print Utility for iOS 1.2 onwards

^{*1}: exclude for 1st generation

Operation Environment for the Printing Client (Mac OS [®])	
Item	Contents
Operating system [*]	Mac OS X v10.4-Mac OS X v10.8 ^{*1}
Applicable hardware	Conforms to the operational conditions of the OS
Network protocol	TCP/IP protocol-based environment • Static IP address in IPv4 or IPv6 •DNS ^{*2}
PDL	PostScript [®]

^{*1}: For Mac OS 10.6, confirm that Rosetta is installed when using an Intel CPU-based Macintosh[®] computer.

^{*2}: Single sign-on (granting a user access to multiple features once he/she logs in) is not available when ApeosWare Management Suite is operated, without using DNS, by specifying a URL with an IP address instead of FQDN.

^{*}: Japanese and English operating systems are supported.





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