

ApeosWare Management Suite 2

Features Guide

On Demand Print Terminal

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Refer to "Setup Guide" for "About Manuals and Accessory Tools", "Conventions", and trademark.

Product information is provided at our Internet homepage. Visit https://www.fujifilm.com/fbglobal/eng/product/aw_manage_suite

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1 On Demand Print Terminal Features

On Demand Print Terminal Features

About On Demand Print Terminal

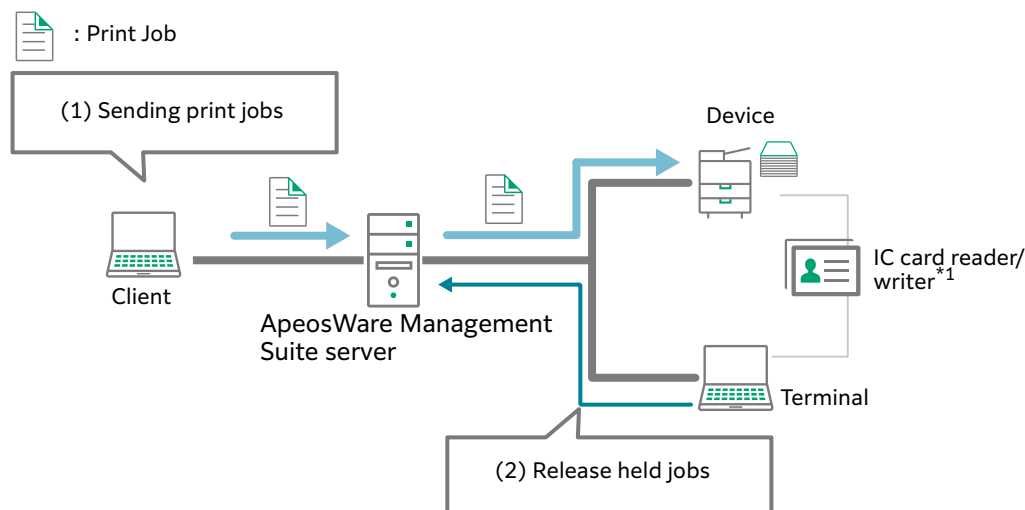
About On Demand Print Terminal

On Demand Print Terminal is an optional software for ApeosWare Management Suite. To use On Demand Print Terminal, you need to install it on a PC that is other than the ApeosWare Management Suite server. By establishing a network connection between the PC on which On Demand Print Terminal is installed and a device, On Demand Print Terminal allows you to display a list of the print jobs stored on the ApeosWare Management Suite server and to release them to the device. Depending on the settings, it also allows you to print files stored in USB flash drives and to store data scanned by the device in USB flash drives.

The PC on which On Demand Print Terminal is installed is referred to as "the terminal" and must be connected to the device on a one-to-one basis.

System Configuration

The following illustration shows the system configuration of the terminal.



*1 An example when it is connected both the device and the terminal

Terminal

It is the PC on which On Demand Print Terminal is installed. Print jobs held on the ApeosWare Management Suite server can be retrieved on the terminal. Users can release the held print jobs to the device and change their print settings before printing.

ApeosWare Management Suite Server

It is the server on which ApeosWare Management Suite is installed. Multiple servers may be used in the system.

The server holds print jobs sent by users and sends them to the device according to the print request from On Demand Print Terminal.

Device

It is multi-function devices and printers managed by ApeosWare Management Suite.

It must be connected to the terminal on a one-to-one basis.

IC Card Reader/Writer

Allows users to log into the terminal and allows costs for usage of the device to be collected with IC card, by connecting it to the device and/or the terminal. The charge process method differs depending on where to connect it.



Refer

"Connecting a Billing Device" (P.7)

Client

With the Print On Demand feature of ApeosWare Management Suite, users can send print jobs from the clients, such as PCs or mobile devices, to print queues on the ApeosWare Management Suite server. The Print On Demand feature is available when the print queue whose print mode is [On-Demand] or [On-Demand - Non-Billed].



Note

If the print mode is [On-Demand], charges will be made depending on the configurations of the cost management with ApeosWare Management Suite. If the print mode is [On-Demand - Non-Billed], No charge will be made regardless of the configurations of the cost management.

Main Features

This section describes what you can do with On Demand Print Terminal.

Print On Demand

This feature allows users who log into the terminal that is already connected to the device via a network to retrieve their Print On Demand jobs stored on the ApeosWare Management Suite server. If the login user has multiple user IDs, all the print jobs of those IDs can also be retrieved on the terminal. Moreover, if the login user is delegated the permission for printing, print jobs sent by other users who are specified in [Delegate Users] can be retrieved on the terminal.

On the print job list, login users can change the print settings and confirm the details of print jobs as well as output them on the device.

When the cost management feature of ApeosWare Management Suite is enabled and also printing is made using the print queue whose print mode is [On-Demand], costs for printing and balance of the account can be confirmed on the print job list.

When an IC card reader/writer that has the authentication feature and billing feature is connected to the terminal, users can login into the terminal using IC cards and make their payments.

USB Memory Print/USB Memory Scan

These features allow you to print files stored in a USB flash drive connected to the terminal, and to store data scanned by the device in the USB flash drive.

With USB Memory Print, you can confirm and change print attributes on the file list, and confirm the expected cost for usage of the device as Print On Demand allows.

The following table shows file formats available for printing or scanning.

O: Available

-: Not available

Data Format (extension)	Identifier	USB Print	USB Scan	Remarks
PDF	.pdf	O ^{*1}	O	Data from versions 1.0, 1.1, 1.3, 1.4, 1.5, 1.6, and 1.7 can be used. However the following features cannot be used: <ul style="list-style-type: none"> • JPEG2000 compression • Optional content • 3D artwork • Object streams / cross reference streams • DeviceN color space extension • AES-256 encryption
TIFF	.tif .tiff	O	O	TIFF files in the following formats cannot be used. <ul style="list-style-type: none"> • Frame sequential images (plain order images) • Tiling images (Split tile images) • Data with LZW compression format • Data with Big Endian bit array 16bit PackBits compression • Data with subsampled (MUSE) PackBits compression • Data containing alpha channels
JPEG	.jpg .jpeg	O	O	JPEG files in the following formats cannot be used. <ul style="list-style-type: none"> • Unencoded 8-bit, 4-channel data • Data encoded in a format other than the baseline sequential format
XPS ^{*2}	.xps	O	O	
DocuWorks	.xdw	-	O	
Microsoft® Word ^{*3}	.doc .docx	O	-	The paper orientation and page breaks depend on those specified in the original documents.
Microsoft® Excel ^{*3}	.xls .xlsx	O	-	The paper orientation and page breaks depend on those specified in the original documents. If there are multiple worksheets in a workbook, all the worksheets will be printed.
Microsoft® PowerPoint ^{*3}	.ppt .pptx	O	-	The paper orientation and page breaks depends on those specified in the original documents.

*1 Not available when a password is set or printing is restricted.

*2 XPS stands for XML Paper Specification.

*3 Microsoft Office programs must be installed on the terminal.

Cost Management for Printing and Scanning

If the cost management feature of ApeosWare Management Suite is enabled, costs for processing jobs of Print On Demand, USB Memory Print, and USB Memory Scan can be managed.

These costs are calculated according to the price policy configured on ApeosWare Management Suite based on print attributes such as color mode and 1 sided/2 sided. The calculated costs (expected charges) is displayed on the print job list of the terminal.

The costs for scanning are also calculated and charged according to the price policy configured on ApeosWare Management Suite.

The costs are billed to accounts associated with users or their IC cards.



Note

- An amount of costs displayed on the print job list is expected value. An amount of actual costs may differ.
- Even if the cost management feature of ApeosWare Management Suite is enabled, when the print mode of the print queue is set to [On-Demand - Non-Billed] or print costs are zero (0), no charge is made.

Connecting a Billing Device

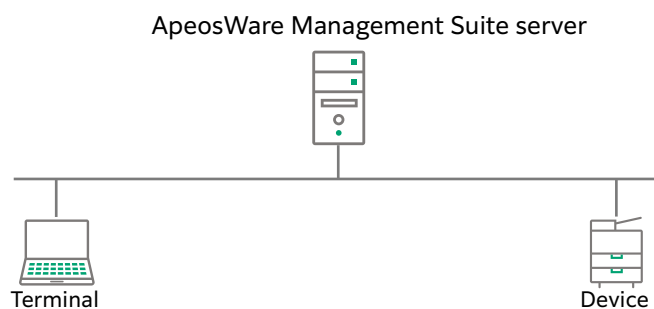
When jobs to be printed are the object of cost management, available features differ depending on how to connect among an IC card reader/writer used as the billing device, the device, and the terminal.



Refer

The print controlling by account balance and the unit price for each jobs depend on the cost management settings of ApeosWare Management Suite. For information on the cost management, see "Features Guide" > "5 Cost Management".

Without a billing device



This configuration does not have a billing device.

This configuration allows costs calculated according to the cost management of ApeosWare Management Suite to be billed to accounts associated with users, and allows their print jobs to be controlled based on their account balances.

On the terminal, an amount of expected costs for printing and account balance for each user are displayed.

Charge for USB Memory Print can be billed.



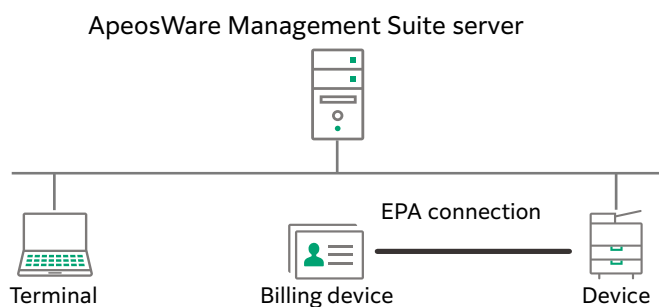
Note

The following users cannot change the accounts and confirm their expected charges and account balance.

- Users whose [Force stop when minimum balance is reached] setting with access file is enabled
- Login users who are Delegated Users

Moreover, total amount of the expected print costs does not include print costs for above users.

When connecting a billing device to the device



A billing device is connected to the device but not connected to the terminal.

The print costs are charged on the device after outputting prints. The costs are calculated according to the cost management settings. Printing cannot be controlled in advance.

The print costs are collected on the billing device.

An amount of expected print costs is displayed on the terminal.

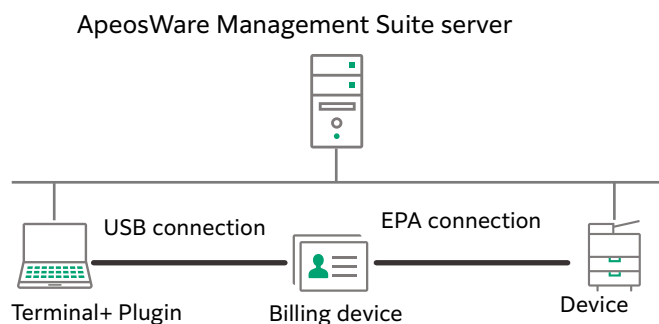
Charge for USB Memory Print can be billed.



Note

- An amount of expected print costs are displayed on the terminal. An amount of actual costs may differ.
- In this configuration, only print jobs that are object to be charged can be printed. Print jobs that are not object to be charged are treated as the jobs that cannot be printed.

When connecting a billing device and making charges on the device



A billing device is connected to both the device and the terminal.

The price information of the ApeosWare Management Suite is set to the billing device.

The print costs are charged on the device after outputting prints.

This configuration allows a balance of IC card and expected print costs to be displayed on the terminal because the billing device is connected to the terminal.

Also, this configuration allows login users of the terminal not to send print jobs to the device depending on the expected costs calculated using print attributes, when a balance of their IC card is insufficient.

If the billing device is capable of user authentication, users can log into the terminal using IC cards.

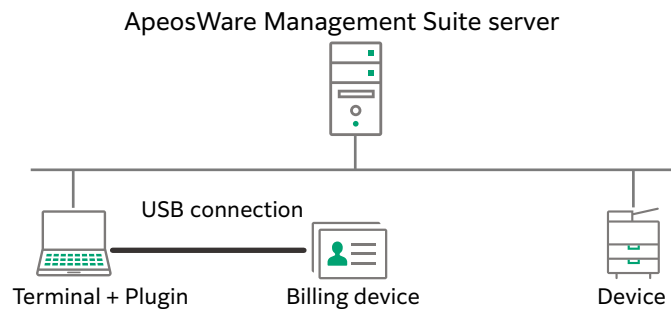
Charge for USB Memory Print can be billed.



Note

In this configuration, only print jobs that are object to be charged can be printed. Print jobs that are not object to be charged are treated as the jobs that cannot be printed.

When connecting a billing device and making charges on the terminal



A billing device is only connected to the terminal.

The price information of the ApeosWare Management Suite is set to the billing device.

After outputting prints, the terminal inquires print results to the device and charges costs for impressions actually printed.

An amount of expected print costs and any of the following balance are displayed on the terminal.

- When an account balance associated with users is more than zero (0):
A total amount of account balance is displayed.
- When an account balance associated with users is zero (0) or less:
A balance of the IC card is displayed. In this case, breakdown of balances of the account and IC card can be confirmed.
- When any account is not associated with users:
"-" is displayed instead.

Costs are charged to the account associated with the login user. When account balance is insufficient, costs are charged to the IC card identified by the billing device.

When total amount of the balance of account and IC card is insufficient to pay costs calculated based on the expected values of print attributes, print jobs are controlled so that they cannot be printed.

If the billing device is capable of user authentication, users can log into the terminal using IC cards.

In this configuration, costs for USB Memory Print cannot be charged on the terminal.



Note

- If a USB cable used to connect the billing device to the terminal is unplugged, you cannot operate the terminal. Make sure that the cable is plugged into the USB port of the terminal.
- The costs calculated based the expected values may differ from the actual print costs. You can specify whether to calculate costs based on the actual values or based on the smallest values in comparison with expected values and actual values in [Cost Management] > [Settings] > [Charge Calculation Method] on ApeosWare Management Suite server.

User Roles

This section describes the user roles in On Demand Print Terminal and permitted operations for each user role.

Types of User Roles

There are the following types of user roles in On Demand Print Terminal.

- Local Administrator of the terminal

An exclusive administrator initially set for On Demand Print Terminal. This user role is allowed to change usage settings of the terminal. The name and password for the local administrator of the terminal can be changed on the terminal. The default values are as follows.

Administrator name	Password
PMAAdmin1	PMAAdmin1
PMAAdmin2	PMAAdmin2



Note

- For enhancing your security, be sure to change the password of the local administrator of the terminal before using On Demand Print Terminal. Moreover, we recommend that you change the password periodically.
- The password for the local administrator of the terminal is called "Access Code". If the message prompting to enter the access code appears on the error dialog box, input this password.
- **System Administrator**
This user role is common with ApeosWare Management Suite. This user role is allowed to change usage settings of the terminal.
- **On Demand Print Terminal Management**
This user role is allowed to temporarily switch the print modes on the terminal.



Note

- This user role is assigned to the users who do not have administrative permissions, is allowed to execute [Temporary Direct Print - Non-Billed].
- **User**
This user role is not allowed any administrative permissions.
This user role is allowed to select jobs on the print job list and print them.

All of the user roles except for the local administrator of the terminal can be created and set on the user management of the ApeosWare Management Suite.

Permitted Operations for Each User Roles

Users who are assigned to the local administrator of the terminal, the system administrator, and the On Demand Print Terminal Management can access the administrator menu of On Demand Print Terminal.

The following table shows accessible menus on the administrator menu for each user role.

O: Available

- : Not available

Menu name	System Administrator	On Demand Print Terminal Management	Local Administrator
Common Settings	O	-	O
Print On Demand Settings	O	-	O
Temporary Direct Print - Non-Billed	O	O	O
USB Print Settings	O	-	O
USB Scan Settings	O	-	O
Change Administrator Name/Password	-	-	O
Exit Application	O	-	O
Windows Shutdown	O	-	O

2 Setup

Required Environments

This section describes the system requirements to use On Demand Print Terminal on a PC and peripherals which can be connected to the PC.

Operating Environments

For the latest operating environment, please visit our official website.

Connectable Peripherals

The following table shows IC card readers or writers which can be connected to the terminal.

O: Available

-: Not available

IC card readers/writers	Billing	Login	Descriptions
FUJIFILM Business Innovation products			
IC Card Cashier (ICCC) v2.2.0 or later	O	O	Bill payment can be made with electronic money stored on IC cards. The IC cards also allow you to log in to the terminal.
Connection Box 1 for EM (USB-IF version 1.1 or later)	O	-	Bill payment can be made with electronic money stored on public transport IC cards.
e-MoneyCashier 2	O	-	Bill payment can be made with electronic money stored on cards with the Rakuten Edy feature or stored on mobile phones that the Rakuten Edy app is installed.
Sony product			
PaSoRi	-	O	It is a contactless IC card reader/writer. IC cards based on FeliCa technology are used to log into the terminal.

For more information on each device and its required settings, refer to the respective manuals.

Installation

Before Installing On Demand Print Terminal

Activating the On Demand Print Terminal

You need to activate the On Demand Print Terminal on the ApeosWare Management Suite server.



"Setup Guide" > "License Activation"

Enable cost management

Configure the ApeosWare Management Suite so that the cost management function is available for use.



Refer

"Setup Guide"

Setting up the Terminal



Note

Date and time settings can be configured after the installation.

Setting of authentication mode of device

Set the authentication mode of the device to [No Authentication Required].

User settings for USB Memory Scan

If USB Memory Scan is used, user accounts used to log into the device need to be registered with Users group on the terminal.

Installing Microsoft Office programs

If documents created in Microsoft Office programs are printed with USB Memory Print, appropriate programs need to be installed on the terminal. The supported Microsoft Office programs are as follows.

- Microsoft Office 2013 (32-Bit/64-Bit edition)
- Microsoft Office 2016 (32-Bit/64-Bit edition)

Moreover, a printer driver of the device need to be installed and to be specified as a default printer on the terminal.

Date and time setting

The date and time settings on the terminal need to be the same settings on the main server of ApeosWare Management Suite.

Preparing an IC Card Reader/Writer

When IC cards are used for logging into the terminal or for billing, prepare an IC card reader/writer in which billing and user authentication features are incorporated and connect it to the terminal.

For more information, refer to "Connecting a Billing Device" (P.7) and "Connectable Peripherals" (P.11).

Install On Demand Print Terminal on a PC

1. Log on to a PC as a user account registered with the Administrators group.
2. Insert the ApeosWare Management Suite installer DVD-ROM (Disc-1) to the DVD drive.
3. If the window to select a language appears, select a language and then click [OK].
4. Click the [Tool List] tab.
5. Double-click on [On Demand Print Terminal].
After this step, proceed with the installation according to the on-screen instructions and the following descriptions.
 - [Specify On Demand Print Terminal Administrator Password Security Level]

Allows you to select a security level of the password for the local administrator of the terminal. For more information, refer to the descriptions in [Description].

- [Setting of Selectable Language]
Select a language to be an option for the display language of the On Demand Print Terminal. If only one language is selected, no language switching menu is displayed on the On Demand Print Terminal.
- [Setting of Billing Device]
Refer to "Connecting a Billing Device" (P.7) to select a connection structure for the billing device depending on the function you want to use from the following options.
 - [Do Not Connect Billing Device]
 - [Connect Billing Device and Bill on Device Side]
 - [Connect Billing Device and Bill on Terminal Side]

If [Connect Billing Device and Bill on Device Side] or [Connect Billing Device and Bill on Terminal Side] is selected and [Next] is clicked, the [Setting of Device Used] screen is displayed.

If [Do Not Connect Billing Device] is selected and [Next] is clicked, the [Setting of Authentication Device] screen is displayed.

- [Setting of Device Used]
Select a device used for billing processing from the following options.
 - [IC Card Cashier]
 - [Connection Box 1 for EM / e-MoneyCashier 2]

If [Next] is clicked, the [Setting of Authentication Device] screen is displayed.

- [Setting of Authentication System]
Select whether to connect the authentication system to the on demand print terminal and log in with the IC card from the following options.
 - [Do Not Connect Authentication System]
 - [Connect IC Card Cashier and Authenticate with IC Card]
 - [Connect PaSoRi and Authenticate with IC Card]

If [Next] is clicked, the [Installation Content Check] screen is displayed. If [Connect PaSoRi and Authenticate with IC Card] is selected, the check screen is displayed and if [OK] is clicked, the [Installation Content Check] screen is displayed.

If the set content is checked and [Install] is clicked, installation is started.



Note

If a billing device or an authentication device is used, a plug-in for connection will be installed on the terminal.

Once the installation is complete, the [Auto Logon Settings] screen appears.

The combination of the connection structure of the billing device and [Setting of Billing Device], [Setting of Device Used] and [Setting of Authentication System] of the On Demand Print Terminal is as shown in the following.

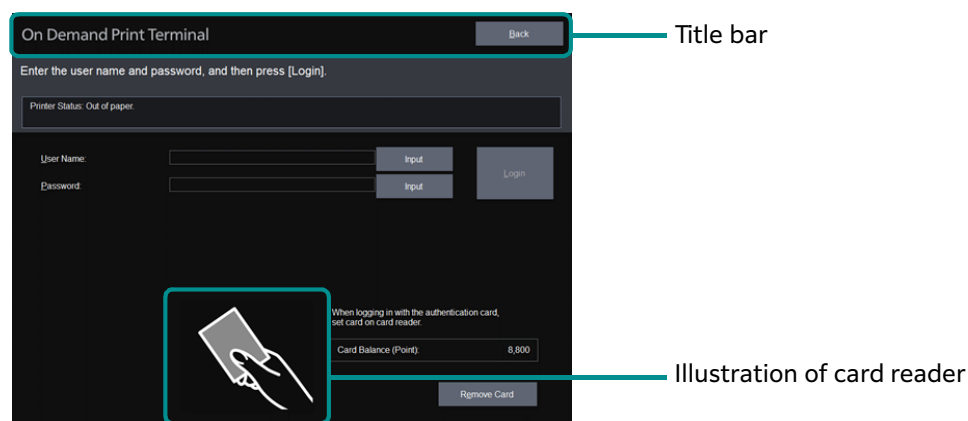
Connection structure of billing device	Setting of On Demand Print Terminal (options)		
	[Setting of Billing Device]	[Setting of Device Used]	[Setting of Authentication System]
No billing device	<ul style="list-style-type: none"> • [Do Not Connect Billing Device] 	—	<ul style="list-style-type: none"> • [Do Not Connect Authentication System] • [Connect IC Card Cashier and Authenticate with IC Card] • [Connect PaSoRi and Authenticate with IC Card]
Structure for connecting billing device and device	<ul style="list-style-type: none"> • [Connect Billing Device and Bill on Device Side] 	<ul style="list-style-type: none"> • [IC Card Cashier] • [Connection Box 1 for EM / e-MoneyCashier 2] 	<ul style="list-style-type: none"> • [Do Not Connect Authentication System] • [Connect IC Card Cashier and Authenticate with IC Card] • [Connect PaSoRi and Authenticate with IC Card]
Structure for connecting billing device and billing on device side	<ul style="list-style-type: none"> • [Connect Billing Device and Bill on Device Side] 	<ul style="list-style-type: none"> • [IC Card Cashier] • [Connection Box 1 for EM / e-MoneyCashier 2] 	<ul style="list-style-type: none"> • [Do Not Connect Authentication System] • [Connect IC Card Cashier and Authenticate with IC Card] • [Connect PaSoRi and Authenticate with IC Card]
Structure for connecting billing device and billing on terminal side	<ul style="list-style-type: none"> • [Connect Billing Device and Bill on Terminal Side] 	<ul style="list-style-type: none"> • [IC Card Cashier] • [Connection Box 1 for EM / e-MoneyCashier 2] 	<ul style="list-style-type: none"> • [Do Not Connect Authentication System] • [Connect IC Card Cashier and Authenticate with IC Card] • [Connect PaSoRi and Authenticate with IC Card]

Changing Images Displayed on the Screen


Some images displayed on the On Demand Print Terminal screen can be changed to any images. The following images can be changed.

- (1) Title bar on the top menu
- (2) Title bar on the [Print On Demand] screen
- (3) Title bar on the [USB Memory Print] screen
- (4) Title bar on the [USB Memory Scan] screen
- (5) Illustration of card reader on the login screen of Print On Demand or USB Memory Print

The screen shot below shows where the title bar and illustration of card reader place on the screen using Print On Demand login screen as an example.



When changing images on the screen, the following image file formats need to be stored on the specified fold.

Item	Descriptions
Size	(1), (2), (3), (4): 1024 × 76 (5): 240 × 200
Image format	PNG (Portable Network Graphics)
Where to store	Under the "Data\On Demand Print Terminal\conf\img" folder, which has been specified when installing On Demand Print Terminal. <div>  Note If the default settings are not changed, the {User Data Folder} is "C:\FUJIFILM\ApeosWare MS". </div>
File name	(1) User_LogoTop.png (2) User_LogoOndemand.png (3) User_LogoUsbPrint.png (4) User_LogoUsbScan.png (5) CardLogin_Top.png

Registering Ports Exceptionally

The following port setting are used to communicate with the ApeosWare Management Suite server and the device. Reregister ports exceptionally depending on your network environment.

Communication direction	Protocol	Port	TCP/UDP
From the terminal to the ApeosWare Management Suite server	HTTP	80,8181	TCP
	HTTPS	443,8183	TCP
	WebSocket	8800	TCP
From the ApeosWare Management Suite server to the terminal	WebSocket	8800	TCP
From the terminal to the device	LPD	515	TCP
	SNMP	161	UDP
From the device to the terminal	SMB	139	TCP
	CIFS	445	TCP UDP

Connect an IC Card Reader/Writer to the Terminal

This section describes how to configure an IC card reader/writer to be used as a billing device or an authentication device connected to the terminal.

Connecting a Billing Device

IC Card Cashier, Connection Box 1 for EM, or e-MoneyCashier 2 can be used as a billing device.

For information on how to connect among the terminal, the billing device, and the device, refer to "Connecting a Billing Device" (P.7).

Connecting an Authentication Device

IC Card Cashier and PaSoRi can be used as an authentication device.

IC Card Cashier can also be used as a billing device. For information on how to connect an authentication device, refer to "Connecting a Billing Device" (P.7).

When PaSoRi is used, set up PaSoRi according to the following steps.

Setting up PaSoRi

When PaSoRi is connected to the terminal, the FeliCa Plugin Settings file needs to be edit to set up PaSoRi.

1. Connect PaSoRi to the terminal using a USB cable.
2. Install the FeliCa port driver compatible to the device on the terminal.
3. Log on to Windows as the user who is allowed to start the terminal.
4. Open the FeliCa Plugin Settings file using the text editor, edit contents to be changed, and then save the file.
Make sure to save the file in "UTF-8" for the character code and "CRLF" for the line feed code.



Refer

"FeliCa Plugin Settings File" (P.16)

5. Encrypt the FeliCa Plugin Settings file if necessary.



Refer

"Encrypting the FeliCa Plugin Settings File" (P.20)

6. Start On Demand Print Terminal.
Make sure that the connected device is displayed on the login screen.

FeliCa Plugin Settings File

The FeliCa Plugin Settings file is the xml format file with defined settings for running the FeliCa plugin. This file is installed to the following folder in {User Data Folder}.

Folder	File name
Data\On Demand Print Terminal\plugins\FeliCaPlugin	FeliCaPlugin.Settings.xml



Note

If the default settings are not changed, the {User Data Folder} is "C:\FUJIFILM\ApeosWare MS".

The FeliCa Plugin Settings file needs to be edited according to the card data reading type and the environment before running FeliCa plugin. Make sure to use "UTF-8" for the character code, and "CRLF" for the line feed code.

As confidential information will have to be configured, we recommend that you convert the file into the dat file using an encryption tool.




Refer

"Encrypting the FeliCa Plugin Settings File" (P.20)

Configuration information in FeliCa Plugin Settings file

Parent element name	Child element name		Description	Settings Value
ModelNames	Value		Set the model name of the device to be connected	Model name of PaSoRi model displayed on Windows Device Manager ^{*1}
PollingInterval	-		Set the interval for monitoring the FeliCa port (milliseconds)	from 100 to 3000
BeepMode	-		Set the operation of the beep sound during card reading	1: Always beep 2: Beep on success only 3: Beep on failure only Other than above: Will not beep
ReadData Type="{settings value}" ^{*2}	-		Set the data reading type.	IDM: IDm SSFC: SSFC FCF: FCF general FCFCampus: FCF campus ANY: Any data
	SystemCode	-	Set the system code. This element is necessary.	From 0000 to FFFF
	ServiceCode	-	Set the area service code. Required for "ReadData Type="ANY"".	From 0000 to FFFF
	UseDataStartAddress	-	Set the start position for data reading. Required for "ReadData Type="ANY"".	0: 127
	UseDataLength	-	Set the data length for reading. Required for "ReadData Type="ANY"".	1: 128
	CLCode	-	Configure the CL code. Required for "ReadData Type="SSFC"".	10 character string
	SchoolIdCode ^{*3}	-	Set school identifier information. Settable when "ReadData Type="FCFCampus"". When setting this information, determine whether to use the school identifier information for card usage.	8 character string
	BindingOrder ^{*4}	-	Set the order of the data to be linked. Required when "ReadData Type="SSFC"", or "ReadData Type="FCFCampus"".	

Parent element name	Child element name		Description	Settings Value
ReadData Type= "{settings value}"*2	BindingOrder*4	Value	Set the data to be linked. Required when "ReadData Type="SSFC"", or "ReadData Type="FCFCampus"".	One of the following values can be configured. Case is sensitive. • For SSFC EmployeeId: Employee number CompanyCode: Company code IssueCount: Number of times of issue • For FCFCampus Id: ID number IssueCount: Number of times of issue
	CheckedAccessMode	-	Set whether the check box for Access Mode is selected or unselected. Required when "ReadData Type="SSFC"".	Specify either of the following in lowercase characters. true: check box is selected false: check box is unselected
	CheckedExpirationDate	-	Set whether the check box for the expiry date is selected or unselected. Required when "ReadData Type="SSFC"", or "ReadData Type="FCFCampus"".	Specify either of the following in lowercase characters. true: check box is selected false: check box is unselected
UseProcessorModule	-		Set the module name when using the generation module for authentication information.  Note "Generation module for authentication information" (P.20)	Specify the name for the generation module for authentication information. Case is not sensitive.

*1 It is not necessary to re-write the default value written on the template.

*2 Up to 3 data reading types can be set for one FeliCa Plugin Settings file.

*3 By setting the child element <SchoolIdCode> of <ReadData Type=FCFCampus>, the propriety of card use can be checked by utilizing the school identification information. If not performing this check, write the set value as follows.
<SchoolIdCode></SchoolIdCode>

*4 When the data reading type is "SSFC", it is necessary to set more than one employee number for the data to be linked. When the data reading type is "FCFCampus", it is necessary to set more than one ID number for the data to be linked.

Generation module for authentication information

For the FeliCa plugin, the generation module for authentication information can be used as necessary by processing data read from the IC card. The generation module for authentication information is embedded into the plugin by specifying its module name at "UseProcessorModule" in the FeliCa Plugin Settings file.

Module name	Description	Processing example
AsciiStringProcessor.dll	Load data as an ASCII character string for linking. Codes out of range of the ASCII code, control character codes (0x00 to 0x1f, 0x7f), etc will be ignored.	"0x41 0x00 x042" -> "AB" "0x43 0x00" -> "C" Linking the above, the authentication code will be "ABC".
HexStringProcessor.dll	Convert the data in its hexadecimal form, into an ASCII character string for linking.	"0x41 0x42" -> "4142" "0x43 0xFF" -> "43FF" Linking the above, the authentication code will be "414243FF".
AsciiNumStringProcessor.dll	Out of the 2 sets of data, convert 1 into an ASCII character string, and the other 1 into a 10 digit ASCII character string for linking. Codes out of range of the ASCII code of the 1st set of data, control character codes (0x00 to 0x1f, 0x7f), etc will be ignored. In addition, data after the 3rd set will be ignored.	"0x41 0x00 0x042" -> "AB" "0x43 0xFF" -> "17407" Linking the above, the authentication code will be "AB17407".

Encrypting the FeliCa Plugin Settings File

You can encrypt the FeliCa Plugin Settings file according to the following steps. Be sure to back up the file before encrypting the file.

1. Log on to Windows as the user who is allowed to start the terminal.
2. Open a command prompt.
3. Move the current folder into the following folder where is in the {User Data Folder}.
Data\On Demand Print Terminal\plugins\FeliCaPlugin
If the default settings are not changed, the {User Data Folder} is "C:\FUJIFILM\ApeosWare MS".
4. Execute the following command.

```
FileEncryptor FeliCaPlugin.Settings.xml
```

"FeliCaPlugin.Settings.xml" is encrypted, and the "FeliCaPlugin.Settings.dat" file is created into the same folder.



Note

If both the encrypted dat format file and the unencrypted xml format settings file exist in the {User Data Folder}, the FeliCa plugin will read settings information from the xml format file. To use the encrypted dat format settings file, delete the xml format settings file, or move the latter to another folder.

3 Configure On Demand Print Terminal

Before Configuring On Demand Print Terminal

This section describes how to configure the settings on ApeosWare Management Suite server and the device before configuring On Demand Print Terminal.

Configure the Settings on ApeosWare Management Suite Server

Registering Devices

You need to register the device connected to the terminal via a network with ApeosWare Management Suite.



Refer

"Features Guide" > "3 Device Management"

Registering Users

You need to register users who release print jobs from the terminal with ApeosWare Management Suite.

You need to create the access profile to specify operation permissions and available features, and associate it to the registered users.

If necessary, also register users who are given the System Administrator role or On Demand Print Terminal Management role.



Refer

"Features Guide" > "4 User Management"

Configuring Cost Management Settings

You can create accounts associated with users, and set account balances. Also you can set print and scan prices in the price policy and associate them to users.

When connecting a billing device to the device, deselect the [Account price policy has priority over device/device group] check box in the account property in order to use the device's price policy preferentially. Moreover, set the print and copy price to 1 or greater for the price policy of the device.



Refer

"Features Guide" > "5 Cost Management"

Creating Print Queues

The terminal can be associated with the device by creating print queues whose print mode is [On-Demand] or [On-Demand - Non-Billed].

Also users who use the terminal can be associated with the created print queues.




Refer

"Features Guide" > "7 Print Management and Operations"

Configure the Settings on Devices

To use USB Memory Print and USB Memory Scan, configure the settings on the device according to the following table.

Item	Settings
IP Address Restrictions	If restrictions have been set, enable access from the terminal to the device
TCP/IP	Set to a fixed IP Address
SNMP agent	Started
LPD port	Activated
Settings for Charge Print (supported models only)	Settings are in the following manner <ul style="list-style-type: none">• PjL Receive Command Control: [Off]• PjL Output Command Control: [Off]• Receive Control: [Control by Job Login Results] (Print jobs that failed authentication: [Delete Job], Print jobs with no User ID: [Abort job])^{*1}• Retention period of document: [Off]
Authentication and accounting	Set to [No Login Required].  Note When authenticating the user for the copy, fax, and scan features, set to [Login to Local Accounts/Local Accounting], and set to [Off] for [Printer] at [Accounting Mode].
Forwarding destination for scanned data	The terminal

^{*1} When controlling print jobs directly, select [Save as Private Charge Print Job] or [Save as Charge Print Job]. If necessary, register the job flow sheets to store scanned data in USB flash drives with the device.



Refer

For information on the job flow sheet, refer to the manuals provided with your devices.

Configure On Demand Print Terminal

This section describes how to configure On Demand Print Terminal. On Demand Print Terminal can be configured by the local administrator of the terminal or the system administrator of ApeosWare Management Suite.



Note

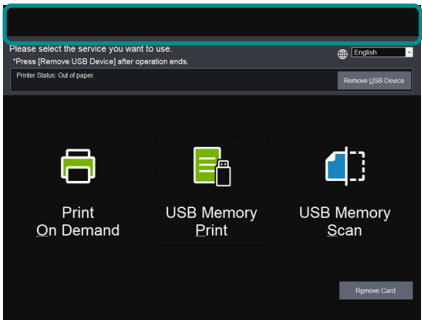
Users who are assigned the [On Demand Print Terminal Management] permission can only configure [Temporary Direct Print - Non-Billed].

Displaying the Administrator Menu Screen

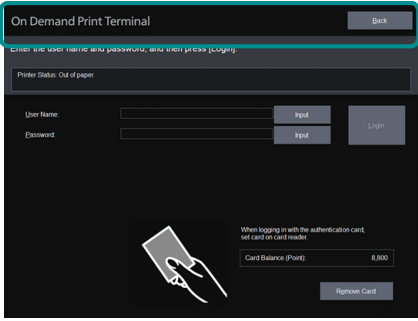
1. Turn on the terminal.

On Demand Print Terminal starts automatically.

2. The top menu or the login screen appears, and double-click on the head of the screen.



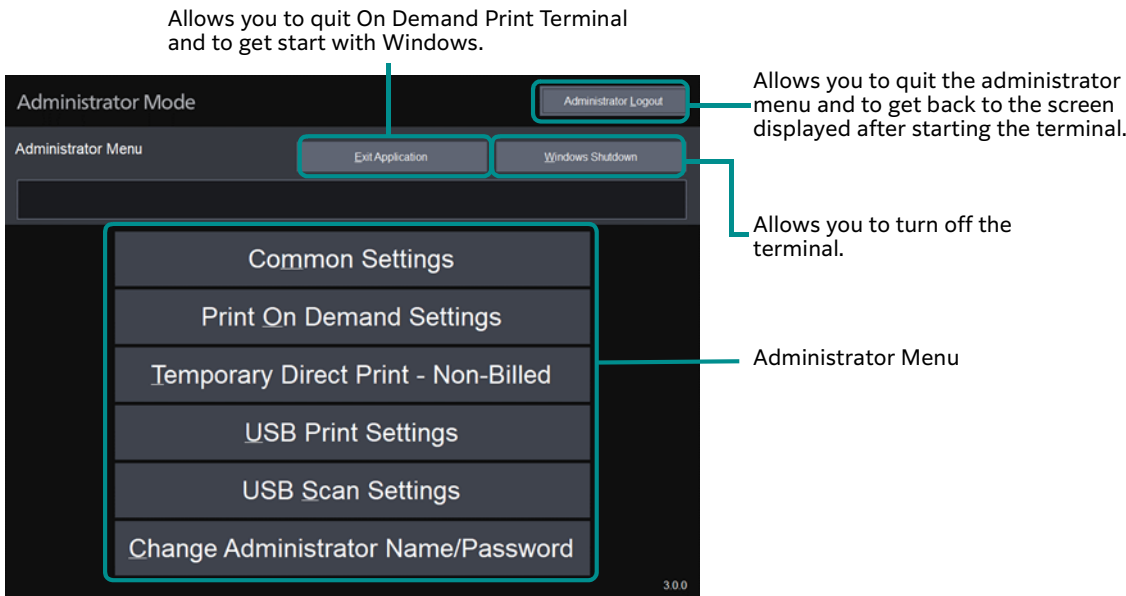
Top Menu



Login Screen

The administrator login screen is displayed.

3. Enter the user ID and the password to log into On Demand Print Terminal.
The administrator menu screen appears.



About the Administrator Menu

This section describes what you can configure on the administrator menu.

[Common Settings] Menu

You can configure the settings in common with Print On Demand, USB Memory Print, and USB Memory Scan.

[Timeout]

You can specify the time period before users are automatically logged out in seconds.



Note

If a USB flash drive is connected to the terminal, users will be logged out after it is ready to be removed safely.

- [Operation Timeout]

You can specify the time period from the timing of the last operation until users are automatically logged out in second.

- [After Print Ended]

You can specify the time period before users are automatically logged out after a print job is complete in seconds.

[Billing Device Available]

This menu is checked when you select a system configuration that has a billing device when installing.



Note

If the [Billing Device Available] check box is selected, the [Enable Print Waiting] check box will also be checked.

[Display Screen Keyboard]

If this check box is checked, an on-screen keyboard can be displayed on the operation screen of On Demand Print Terminal.



Note

The on-screen keyboard allows you to enter texts when a keyboard is not connected to the terminal.

[Print On Demand Settings] Menu

[Connecting Main Server]

You can specify the IP address or the hostname of the ApeosWare Management Suite server to be accessed from the terminal. Which you specify here depends on the format specified when installing ApeosWare Management Suite. If the ApeosWare Management Suite server is in a distributed configuration, specify the information about the main server.

When selecting the [Display Screen Keyboard] check box in the common settings menu, you can display an on-screen keyboard by clicking [Input].

After inputting the IP address or the hostname, click [Retrieve] to access the ApeosWare Management Suite server. When the access is succeeded, a list of devices registered on the ApeosWare Management Suite server is retrieved and their names are displayed in [Device Name].



Note

When you change the main server to be accessed, input the IP address and hostname, click [OK], and then restart On Demand Print Terminal. After restarting, click [Retrieve] to display [Device Name].

[Device Name]

A list of devices that are registered with ApeosWare Management Suite is displayed here, and select the device where prints are output.

[Enable Print Waiting]

If this check box is checked, the screen indicating that the print job is being processed will appear after the print request is sent from On Demand Print Terminal, and any operations will not be available until the current job is complete.



Note

If the check box for [Billing Device Available] under [Common Settings] is checked, this check box will be always checked. In this case, you cannot change this setting.

[Temporary Direct Print - Non-Billed] Menu

This menu allows you to set the print mode of the print queue associated with the device to [Direct Print - Non-Billed] temporarily. This menu allows you to set the print mode of the print queue associated with the device to [Direct Print - Non-Billed] temporarily. This feature is available when the setting is configured so that the print queue can change the print mode according to the schedule.

For example, in college, when the print mode is set to [Direct Print - Non-Billed] during class time and set to [On-Demand] during non-class time, if you want to extend available period for printing with no charges, enable this feature.

[Target Logical Printer]

Only system administrators of ApeosWare Management Suite or the local administrator of the terminal can select this item.

You can select a print queue you want to change the print mode temporarily from the drop-down menu.

[Prohibit usage when logical printer mode is not set to Print On Demand]

Select the check box, and users cannot log into the terminal in the direct print mode. The screen indicating that the terminal is out of use appears when the terminal is in the direct print mode.

[Direct Print - Non-Billed Usage Time]

You can select a time period that the device is used in the [Direct Print - Non-Billed] mode.

[Disable Print Mode]

Specify required settings and click [OK], and the print mode of the print queue is changed and [Disable Print Mode] is displayed.

Click [Disable Print Mode], and the direct print mode temporarily changed ends and shifts into the print mode set in print queue.

Use this feature when you do not need to use the Direct Print feature within the time period that is set in [Direct Print - Non-Billed Usage Time].

[USB Print Settings] Menu

[Use USB Print]

You can specify whether or not to use the USB Memory Print feature.

Select [Yes], and [USB Memory Print] is displayed on the top screen of On Demand Print Terminal.

[Printer Configuration]

You can confirm and change configuration on the device where prints are output. Click [Change Settings], and the [Printer Configuration] screen is displayed. You can change the configurations on the device such as the paper size and paper tray according to the device configuration.

[Default Print Settings]

You can confirm and change default settings of USB Memory Print. Click [Change Settings], and the [Default Print Settings] screen is displayed. You can configure default settings of USB Memory Print such as the paper size, 2-sided printing, and pages-per-side printing.

[Print & Microsoft Office documents]

If this check box is checked, you can print files created in Microsoft Office programs in an USB flash drive.



Note

Microsoft Office programs used to create files must be installed on the terminal.



Refer

For information on the supported Microsoft Office programs (file formats), refer to "USB Memory Print/USB Memory Scan" (P.5).

[Microsoft Office document preview]

If this check box is checked, the preview window will be displayed while printing and you can confirm the contents of the files created in Microsoft Office programs.

[USB Scan Settings] Menu

[Use USB Scan]

You can specify whether or not to use the USB Memory Scan feature.

Select [Yes], and [USB Memory Scan] is displayed on the top screen of On Demand Print Terminal.

[Use User Authentication]

When using the USB memory scan function, select whether or not to perform user authentication on the on-demand terminal.

If [Yes] is selected, in the screen displayed after On Demand Print Terminal is activated, select [USB Memory Print], and the login screen for USB scan is displayed.

[USB Memory Device Shared Name]

You can specify the name of the shared USB flash drive. Up to 12 characters can be set. The default name is "USBScan".

Click [Input], and an on-screen keyboard appears.

[Access Allowed User]

This allows you to specify users who can access to the shared USB memory. You can select user accounts assigned to the group of the terminal.

[Change Administrator Name/Password] Menu

This menu is only displayed when the local administrator of the terminal logs into On Demand Print Terminal.

You can change the user name and password of the local administrator of the terminal.



Note

For enhancing your security, be sure to change the password of the local administrator of the terminal before using On Demand Print Terminal. Moreover, we recommend that you change the password periodically.

4 Operate On Demand Print Terminal

Log into On Demand Print Terminal

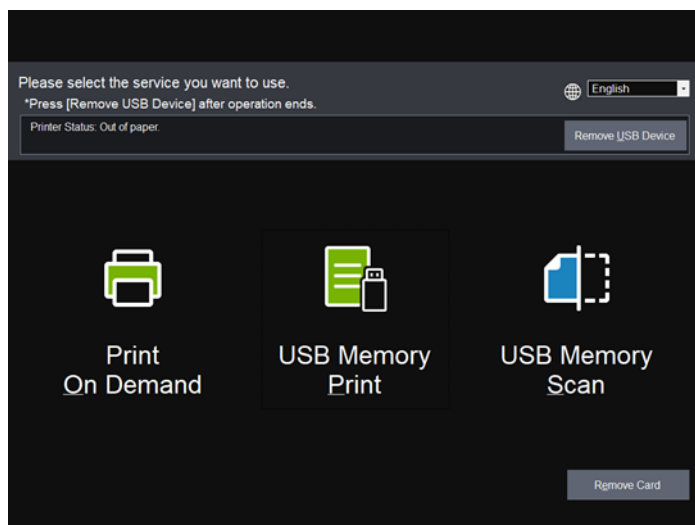
On Demand Print Terminal starts automatically after you turn on the terminal.

When both USB Memory Print and USB Memory Scan are disabled, the login screen of Print On Demand appears.

When either of USB Memory Print or USB Memory Scan is enabled, the top screen appears. On the top screen, [Print On Demand] and available feature's buttons are displayed.

When either of USB Memory Print or USB Memory Scan is enabled, the top screen appears. On the top screen, [Print On Demand] and available feature's buttons are displayed.

Each feature button allows you to display the screen for each feature. When the login screen of ApeosWare Management Suite appears, you need to enter the user information specified in [User Management] to log into On Demand Print Terminal. To exit the screen of each feature, select [Logout] or [Back].



The buttons displayed on the top screen may differ depending on the usage of USB flash device and IC card reader.



Note

If an authentication device is connected to the terminal and the required settings are configured, you can log into On Demand Print Terminal using a IC card.

If a billing device is connected to the terminal, the account balance is displayed.

About the Features

Print On Demand

The Print Job List Screen

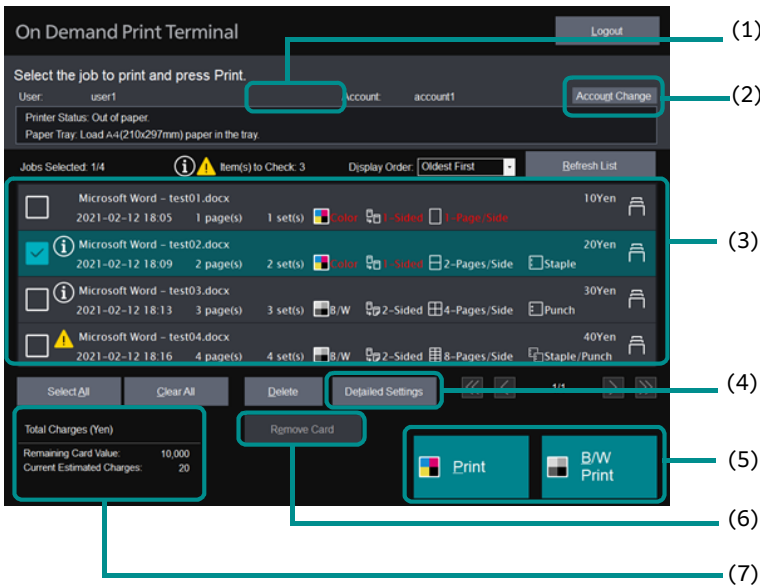
When a user logs into Print On Demand, a list of print jobs that are sent by the login user is retrieved from the ApeosWare Management Suite server.

The login user can print desired print jobs, delete unnecessary print jobs, and edit job attributes to be printed.









Note

When approved printing is applied in ApeosWare Management Suite, unapproved jobs are not displayed in a job list.





The following table shows items displayed on the screen and their descriptions. The displayed items differ depending on how a billing device is connected to the terminal and the login users.

Items		Descriptions
(1)	User Change	<p>This button allows for displaying a list of Delegate Users or Alternate User IDs for the login user, and [All Users]. When a Delegate User or an Alternate User ID is selected, print jobs of the selected user are displayed. When [All Users] is selected, all print jobs of the login user, delegate users, and the user who has alternate user ID.</p> <p>This button will not appear if any Delegate Users or Alternate User IDs are not set.</p> <p> Refer About Delegate Users or Alternate User IDs ⇒ "Features Guide" > "4 User Management"</p>

Items		Descriptions
(2)	Account Change	<p>This button allows for changing the account to which charges for usage of the device are billed, when the billing device is connected only to the terminal and the login user is associated with multiple accounts. If you do not change the account, charges will be billed to the default account.</p> <p>This button does not appear in the following cases.</p> <ul style="list-style-type: none"> • Only one account is associated with the login user. • The login user is the user whose setting of [Force stop when minimum balance is reached] is disabled. • The login user is a Delegate User.
(3)	Print Job List	<p>Print jobs sent by users are listed according to the [User Change] setting. The layout of the print job list depends on the settings configured on ApeosWare Management Suite. The print job name, the date and time of execution, attributes of the print job, and the expected costs of the print job can be displayed.</p> <p>If attributes of print job are displayed in red, print settings corresponding to print jobs do not fit the recommended values specified by administrators. ^{*1}</p> <p>Each icon displayed on the list indicates the followings.</p> <p>: Print jobs that cannot be printed</p> <p>: Print jobs that can be printed with some restrictions or that do not need their attributes</p> <p>: Displays the [Check Job Details] screen appears. ^{*2}</p>
(4)	Detailed Settings	Allows you to display the screen to specify print jobs to be displayed on the list and specify how the print jobs are treated after printing.
(5)	Print B/W Print	Allows you to print jobs selected on the print job list. [B/W Print] will appear if the device supports color printing and print jobs set to black and white mode are always printed in black and white.
(6)	Remove Card	<p>Allows you to remove a IC card from the IC card reader/writer.</p> <p>In the case of a structure for connecting the billing device to bill on the device side or terminal side, after the print is completed, the card is discharged automatically.</p> <p> Refer "Connecting a Billing Device" (P.7)</p>
(7)	Total Charges	<p>An amount of expected costs for the selected jobs to be printed is displayed. Also an amount of account balance associated with users is displayed. Depending on the billing device configuration and the account balance, [Balance Detail] is displayed on the screen, and breakdown of balances of the account and IC card can be confirmed.</p> <p> Note When the billing device is connected to the device but is not connected to the terminal, only an amount of expected costs is only displayed.</p>

*1 The recommended values can be set in the print queue. For more information, refer to "Features Guide" > "7 Print Management and Operations".

*2 On the [Check Job Details] screen, you can edit attributes of print jobs, and also confirm why  and  are displayed.

How the Price of IC cards Is Converted

The price can be set with IC cards using unit of price other than currency such as point. Unit of price on ApeosWare Management Suite is currency.

When billing device is connected to the terminal and print costs are paid by IC cards, the price of the IC card and ApeosWare Management Suite are converted mutually according to the conversion rate.

The conversion rate can be set in [System Settings] > [Currency Settings] on the administrator's screen on the ApeosWare Management Suite server.

The conversion methods are the followings.

- When converting the price of IC cards into the prices of the ApeosWare Management Suite server, multiply a price by a conversion rate.

For example, when the price of the IC card is 99 points and the conversion rate is 1.25 (yen/point), the converted price is $99 \times 1.25 = 123.75$ (yen).

- When converting the price of ApeosWare Management Suite server into the price of IC cards, divide a price by a conversion rate.

The converted result rounds down the decimal places and is treated as integer.

For example, when the price of the ApeosWare Management Suite server is 99 points and the conversion rate is 1.25 (yen/point), the converted price is $99 \div 1.25 = 79.2$ (yen). As the converted price rounds down the decimal places, so it is 79 (yen).

Payment of the Unpaid Balance

When the billing device is only connected to the device, the unpaid balance for the account associated with the login user can be paid by the IC card. The unpaid balance is an amount of charges that the login user has not paid yet.

When the login user has the unpaid balance, the [Unpaid Balance Withdrawal] screen is displayed after printing. When [OK] is clicked, the login user can pay the unpaid balance by the IC card. Depending on the balance of the IC card, print jobs are processed as shown in the table below.

	After paid by IC card		
	Unpaid balance	Balance of the IC card	How to process
Balance of IC card is greater than unpaid balance	0	More than zero (0)	When the balance of the IC card is sufficient for printing, printing is made. When not sufficient, printing is not made.
Balance of IC card is equal to unpaid balance	0	Zero (0)	Printing is not made.
Balance of IC card is less than unpaid balance	Not yet paid	Have no funds	Printing is not made. When the login user performs the next print job, the [Unpaid Balance Withdrawal] screen is displayed again.



Note

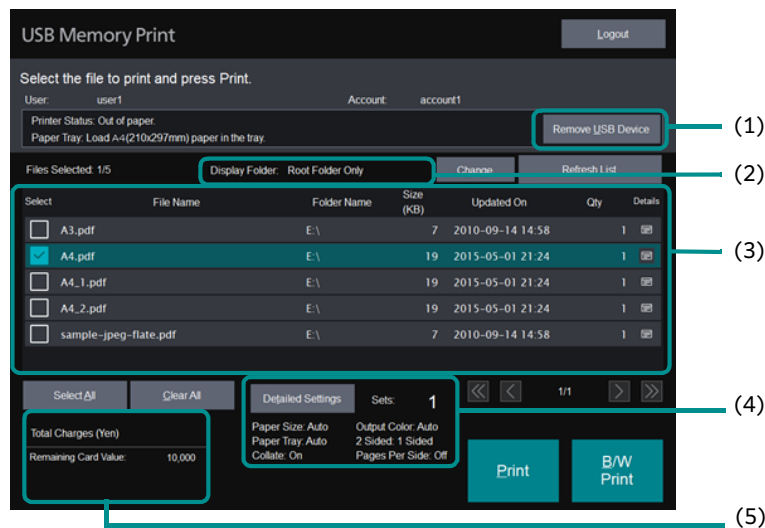
When the unit of balance used in the IC card is not currencies, calculation of print charges are made in currencies.

USB Memory Print


When the USB Memory Print feature is enabled with On Demand Print Terminal and a USB flash drive is connected to the terminal, the [USB Memory Print] button becomes active on the top screen. Click this button, and the USB Memory Print login screen appears.

After the login is succeeded, a list of files stored on the USB flash drive is displayed on the screen.

Select files to be printed, and the selected files are printed on the device. You can also change print attributes before printing. Depending on the configuration, an amount of expected print costs is displayed.



The following table shows displayed items specific to the USB Memory Print screen and their descriptions. For items in common with the Print On Demand screen, refer to "Print On Demand" (P.28).

Items		Descriptions
(1)	Remove USB Device	Click this button, and the USB flash drive becomes ready to be removed from the terminal safely. Make sure to click this button before you remove the USB flash drive from the terminal.
(2)	Display Folder	Allows you to change the folder in the USB flash drive to be displayed on the list.
(3)	A list of files	A list of printable files in the USB flash drive is displayed. Files in the folder currently selected in [Display Folder] are displayed. When [All Folders] is selected, files in the sub folders can be displayed.  : Displays the [File Details] screen appears.
(4)	Detailed Settings	Print attributes such as the paper size and color mode are displayed. [Detailed Settings] allows you to display the screen to change print attributes.
(5)	Total Charges	An account balance associated with the user is displayed. When the billing device is not used, the account balance is displayed. When the billing device is connected to both the terminal and device, a balance of the IC card is displayed. In any other billing configurations, nothing is displayed.



Note

Make sure to click [Remove USB Device] before you remove the USB flash drive from the terminal. Otherwise, data in the USB flash drive may be damaged.

USB Memory Scan

When the USB Memory Scan feature is enabled with On Demand Print Terminal and a USB flash drive is connected to the terminal, the [USB Memory Scan] button becomes active on the top screen. Click this button, and the USB Memory Scan screen appears.

To scan documents, use the job flow sheet that the device's system administrator has registered with the device or the [Scan to PC] feature of the device.

With the job flow sheet or the [Scan to PC] feature, the following setting information needs to be specified to scan documents on the device.

Items	Setting information
Transfer Protocol	SMB
Server	Host name or IP address of the terminal
Shared Name	The name specified in [USB Memory Device Shared Name] on the administrator menu screen
Storage Location	The name of folder where scanned data is stored
User Name	The name specified in [Access Allowed User] on the administrator menu screen
Password	The password corresponding to [User Name]

After scanning documents on the device, when [Refresh List] is clicked on the [USB Memory Scan] screen, the scanned files appear on the file list.

When the scan charge feature is enabled on the cost management of ApeosWare Management Suite, scan jobs performed with user account of ApeosWare Management Suite are object of the cost management.



Note

Make sure to click [Remove USB Device] before you remove the USB flash drive from the terminal. Otherwise, data in the USB flash drive may be damaged.

5 Notes and Restrictions

Notes and Restrictions

Notes and Restrictions on On Demand Print Terminal

- When the operating system running on the terminal is Windows 10 and the Fast Startup (hybrid boot) is enabled, reading may be failed when the device configuration at the startup differs one at the shutdown. To prevent this failure, do not connect a USB flash memory and the device to the terminal and do not remove them from the terminal while the terminal is in operation.
- When connecting the billing device to the device, the authentication mode on the device cannot be set to [Login to Remote Accounts].

When connecting the billing device to the terminal and charges are made on the device, the discount/additional charge feature is not available since the paper price list cannot be changed periodically. In this case, you need to configure the settings with ApeosWare Management Suite as follows.

- Configure the setting so that the price policy set for the device can take precedence over the price policy set for account. In the property settings of account in ApeosWare Management Suite, deselect [Account price policy has priority over device/device group].
- When connecting the billing device to the device, print costs are calculated based on output impressions. You need to specify the same value for both 1 Sided and 2 Sided printing. Moreover, set the conversion rate to "1".
- If the billing device and device or billing device and on demand print terminal are connected, for fees for prints and copies, fee unit prices which can be set for the billing device must be set beforehand.
- The supported languages for On Demand Print Terminal are Japanese and English. The language is selected according to the system locale in the operating system running on the terminal. When the system locale is other than Japanese and English, the language used for On Demand Print Terminal is English.
- On Demand Print Terminal is automatically starts after logging into the terminal. The screen resolution is set at 1024 x 768 while On Demand Print Terminal is in use.
- Users who are not the local administrator of the terminal or are not given system administrative permissions cannot quit On Demand Print Terminal and shut down Windows. To prevent from incorrect operations by these user, the following shortcuts keys are disabled.

Shortcut keys	What to do
<Alt> + <F4>	Closes the currently selected window.
<Esc>	Cancels the current task.

Moreover, to disable Window Task Manager, the Start menu, and the task selection dialog, do the followings.

- Enable the [Display Screen Keyboard] setting to display an on-screen keyboard.
- Do not use the hardware keyboard.

- When using the multi-touch monitor with Windows 8.1, disable Windows on-screen keyboard.
- Do not use the following shortcut keys on the hardware keyboard: <Ctrl> + <Alt> + , <Ctrl> + <Alt> + <Tab>, and "Windows" key.
- A shared account that all users can be used is not available for On Demand Print Terminal.
- Even if the [Delete Printed Job] setting is enabled on the [Detailed Settings] screen, the complete jobs may appear on the print job list after printing. In this case, click [Refresh List].
- Even if the number of prints set is changed in [Check Job Details], when the device does not have a built-in hard disk, only a set of prints is output on the device.
- Even if you make the taskbar hidden, when you set the taskbar to hide automatically, the taskbar may be shown. If you do not want to show the taskbar, deselect [Auto-hide the taskbar] on the Taskbar and Navigation properties.
- There may be a case where it becomes impossible to log in to the on demand terminal. Therefore, before updating the OS on the on demand print terminal (example: Fall Creators Update (1709) of Windows 10 etc.), create a user account other than the built-in Administrator to Windows, and register the created user account to the Administrators group. It is not necessary to change the automatic logon user.

Notes and Restrictions on USB Memory Print/USB Memory Scan

About USB Flash Drives

- When multiple USB flash drives are connected to the terminal, the USB flash drive whose drive letter is the latest can be used.
- Encrypted USB flash drives cannot be used.
- The Windows ReadyBoost feature cannot be used.
- All the USB devices connected to the terminal are disconnected when [Remove USB Device] is clicked.
- If USB flash drives formatted in NTFS are used, it may take a while to read files.
- When the Windows auto-play feature is enabled, the taskbar may be shown after inserting a USB flash drive to a USB port on the terminal. If you do not want to show the taskbar, disable the Windows auto-play feature.
- In the USB memory print, it is always billed at the actual costs even when [Charge Calculation Settings] is set to [Smaller of Estimated Value and Actual Value].

About USB Memory Print

- Microsoft Word documents with change tracking information and comments are always printed with them, even if you set them to be hidden on the review menu at the menu bar. This behavior is due to the restriction on Microsoft Word so that users cannot distribute Word documents with change tracking information and comments mistakenly. Therefore, large number of pages may be printed or colored prints are output unexpectedly. To print Microsoft Word documents without change tracking information and comments, do either of the followings.
 - Accept changes and delete comments.
 - Convert Word documents to other file format.
- When some colored pages are included in documents even if they look like blank pages or black-and-white pages, the documents are always determined as colored documents.
- When the Microsoft Office documents containing hyperlinks to other files are printed, they are not updated on the print results. Make sure to update the hyperlinks in the Microsoft Office documents manually before printing.

- The paper size at 8K (267 x 388mm) or 16K (194 x 267mm) is treated as non-standard paper size. Therefore, make sure to set output paper size to non-standard size on the device before printing. Otherwise, print jobs are failed.
- You cannot print the protected Microsoft Office documents except for the Word or Excel documents with write passwords.
- When you print the Microsoft Office documents on the paper at other than A4, make sure to deselect the [Scale content to A4 or 8.5x11" paper sizes] check box under [Options] > [Advanced].
- When Microsoft Excel 32-Bit Edition is installed on the terminal, graphic objects may not be printed. If you want to print Microsoft Excel documents containing graph objects, install Microsoft Excel 64-Bit Edition on the terminal.
- When the billing device is not connected to the terminal, charges cannot be made for USB Memory Print.
- If the USB memory print is executed for manuscripts including black and white pages in "Structure for connecting billing device and device" or "Structure for connecting billing device and billing on device side", even if the balance is sufficient, the print may not be executed due to balance insufficiency
In this case, take the following measure.
 - When printing black and white manuscripts, instruct printing by selecting black and white in the color mode of the detail setting of the on demand print terminal, or instruct printing by using the [Black & White Print] button.
 - If printing manuscripts including black and white pages by setting to Color, prepare a balance sufficient even if all the pages are calculated as color pages.

About USB Memory Scan

- The Push Scan feature on the device is used to store scanned data. Therefore, the device's system administrator needs to register the forwarding address or the job template on the device.