

# IC-604

## Technical Training Course

Welcome to the **IC-604** Technical Training Course.  
This course will cover all one lesson of the **IC-604 Introduction**.







*Please take the test after completing this course.*



# Symbol Key

## ❖ What do each of these symbols mean?

- ① This is an icon for a Key Point or Important Point to remember.
- 📌 This is an icon for anything of Note.
- 🚫 This is an icon for a general Warning that could result in potential danger.
- ⚠ This is an icon for a Caution and should be taken into special consideration.

	This indicates that the content is designated for Instructor Led Training.
	This indicates that the content is designated for Web Based Training.
	This indicates that the content is to be performed in a Lab Exercise.
	This indicates that the content is a new feature.
	This indicates that the content is an update or upgraded feature.
	This indicates that the content is exclusive to a particular model series. The respective model series will be shown as text on a colored tab (examples on right of screen).

In the case of shared content, tabs on the right edge indicate which series machines this slide content applies to.

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# Combinations of the Latest Firmware (1/6)

DEDICATED

UP

WBT

## ❖ Combinations of the firmware (1/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
C6100/C6085	Image control	I0	Package	G00-20
		I1	Individual	G00-20
		I2	Individual	G00-20
		I3	Individual	G00-20
		I4	Individual	G00-10
		I5	Individual	G00-12
	Tonic	T	Common	G00-10
	Printer system	C	Common	G00-20
	Browser	W	Common	G00-20
IC-604	Controller	P0	Package	G00-20
		P1	Individual	G00-20
		P2	Individual	G00-10

C6100

Device name	Firmware name	Version
IC-313	User Software DVD	Ver.2.0
	System Software DVD	Ver.2.0
IC-315	User Software DVD	Ver.2.0
	System Software DVD	Ver.2.0

# Combinations of the Latest Firmware (2/6)

DEDICATED

UP

WBT

## ❖ Combinations of the firmware (2/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
DF-706	ADF	F	Common	G00-05
PF-711	Scanner	L	Common	G00-20
RU-511	RU	R1	Common	G00-A0
RU-510		R2	Common	G00-71
RU-518		R3	Common	G00-10
IQ-501	IQ	Q1	Common	G00-30
		Q2	Common	G00-12
OT-510	Stacker	O	Common	G00-30
FS-532	Stapler	N1	Common	G00-90
SD-510	Saddle	K	Common	G00-40
LS-506	Stacker	S1/S2	Common	G00-30
FD-503	Multi Folder	H	Common	G00-C0
SD-506	Saddle stitcher	B	Common	G00-90
SD-513	Saddle stitcher	B	Common	G00-41
PB-503	Perfect Binder	J	Common	G00-B0
MK-737	Relay Board	V	Common	G00-30
GP-501	Multi Puncher	G	Common	G00-70
GP-502	Ring Binder	M1	Common	F00-2414
		M2	Common	G00-30
		M3	Common	G00-10, G01-10

# Combinations of the Latest Firmware (3/6)

## ❖ Combinations of the firmware (3/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
<b>C2070/C2070P/ C2060/C2060L</b>	Image control	I0	Package	20
		I1	Individual	20
		I2	Individual	20
		I3	Individual	20
		I4	Individual	20
		I5	Individual	20
	Printer system	C	Common	20
	Tonic	T	Common	10
	Browser	W	Common	20
	Scanner	L	Common	20

# Combinations of the Latest Firmware (4/6)

## ❖ Combinations of the firmware (4/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
DF-706	ADF	F	Common	03
FD-503	Multi Folder	H	Common	B0
RU-509	RU	R1	Common	90
RU-510		R2	Common	60
IQ-501	IQ	Q1	Common	20
		Q2	Common	12
FS-532	Stapler	N1	Common	80
FS-531		N2	Common	50
FS-612		N2	Common	50
SD-506	Saddle stitcher	B	Common	90
SD-513		B	Common	40
SD-510	Saddle	K	Common	40
LS-506	Stacker	S	Common	30
OT-510		O	Common	20

# Combinations of the Latest Firmware (5/6)

## ❖ Combinations of the firmware (5/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
<b>PB-503</b>	Perfect Binder	J	Common	A0
<b>MK-737</b>	Relay Board	V	Common	30
<b>GP-501</b>	Multi Puncher	G	Common	70
<b>GP-502</b>	Ring Binder	M1	Common	F00-2414
		M2	Common	G00-30
		M3	Common	G00-10,G01-10

# Combinations of the Latest Firmware (6/6)

## ❖ Combinations of the firmware (6/6)

\* This course is described for the following FW versions.

Device name	Firmware name	ROM	ROM Type	FW version
IC-603 A/B	Controller	P0	Package	20
		P1	Individual	20
		P2	Individual	20

Device name	ROM Type	FW version
IC-313	User Software DVD	Ver.1.2
	System Software DVD	Ver.1.2
IC-417	User Software DVD	Ver.1.2
	System Software DVD	Ver.1.2

# Course Objectives



In this course you should be able to:

1. Introduction

# 1. Introduction

## Lesson 1

### Topics covered in the lesson include:

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- 1.1 Product Planning
- 1.2 System Configuration
- 1.3 Product Specifications

# 1.1 Product Planning (1/4)

## ❖ Update

Item	Timing	Overview		Slide
Supported Machine	Ver.2.0	C6100	IC-604 has been Supported.	Yes
		C2070	IC-603 has been Supported.	
Product Concept & Planning Policy	Ver.2.0	C6100/ C2070	IQ-501 has been Supported.	Yes
		C2070	IQ-501 has been Unsupported.	

# 1.1 Product Planning (2/4)

## ❖ Product Concept

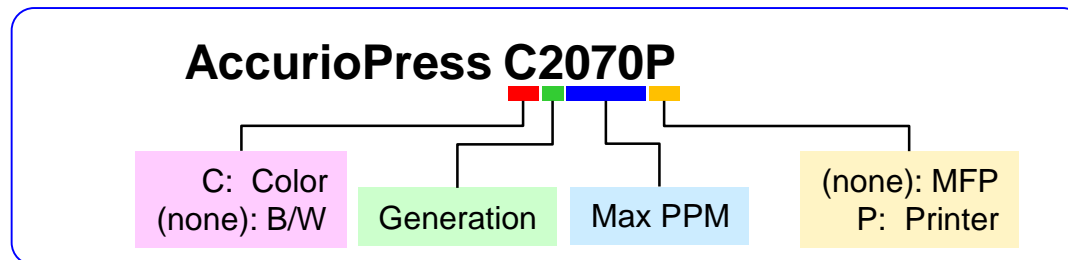
Uses the concept of the "Multi-Role Digital Press", this product is an on-demand press that aids in customer business expansion and improves the level of customer satisfaction.

- Adapted to small lots, diverse printouts and quick turn around.
- Suited to one-to-one market as typified by "personalized printing".

Provides the performance and quality demanded by PP users with still firm focus on profitability.

## ❖ Product Name

The naming rules are as follows. The figure below shows an example for C2070P.



# 1.1 Product Planning (3/4)

## ❖ Product Positioning

### ▪ IC-603

IC-603 is the successor to the IC-602.

## ❖ Product Concept & Planning Policy

### ▪ IC-603

- ❖ FW development that is based on the 1100 realizes the base of common FW between the color/monochrome. This achievement can commonize the operability among the machines.
- ❖ PDF/VT-2 can link the PDF of the main body with the external file and integrate them as the single printed matter. IC-603 realizes the structure to conduct this integration with the installation of UK-104 and UK-214.
- ❖ To improve the quality of the Direct print/Hot Folder print that is the feature of the workflow in the PP series, the old PageScope Direct Print is replaced to AccurioPro Hot Folder.
- ❖ IC-603 is upgraded to version 2.0, and the automatic color adjustment and base distortion adjustment using IQ-501 have been made available. This results in enhancement of the printing availability rate via a shortening of the required adjustment time, and a large step toward environment requiring minimum user skills.

## ❖ Supported Machine

### ▪ C2070

# 1.1 Product Planning (4/4)

## ❖ Product Positioning

### ▪ IC-604

IC-604 is the successor to the IC-603.

## ❖ Product Concept & Planning Policy

### ▪ IC-604

❖ The automatic color adjustment and base distortion adjustment using IQ-501 have been made available for the first time for IC-604. This results in enhancement of the printing availability rate via a shortening of the required adjustment time, and a large step toward environment requiring minimum user skills.

❖ APPE is compatible with version 4.2.

## ❖ Supported Machine

### ▪ C6100/C6085

# 1.2 System Configuration (1/6)

Item	Timing	Overview		Slide
<b>System Configuration</b>	Ver.1.0	C2070	IC-603 is available.	Yes
		C1100/C1070	IC-602 is available.	

# 1.2 System Configuration (2/6)












## ❖ Update

Item	Timing	Overview		Slide
<b>Main Components</b>	Ver.2.0	C6100	IC-604 has been Supported.	Yes
		C2070	IC-603 has been Supported.	

# 1.2 System Configuration (3/6)

## ❖ Main Components

### ■ IC-603/IC-604 and related options

Target	Target					Description			Notes
	C2070	C2070P	C2060	C2060L	C6100/ C6085	Chip	Memory	HDD	
IC-603A		-			-	PS Enabled	4 GB x 1	-	Memory: 10 GB (Machine standard) HDD: 1 TB x 3 (Machine standard)
IC-603B	-		-	-	-	PS Enabled	8 GB x 1	1 TB x 3	Memory: 4 GB (Machine standard)
IC-604	-	-	-	-		PS/APPE Enabled	12 GB x 1	1 TB x 4	Memory: 8 GB (Machine standard)
UK-104				-	-	HDD enabled	4 GB x 1	500 GB x 1	Additional memory/HDD option IC-603 required
UK-214				-	-	APPE enabled	-	-	APPE option UK-104 required

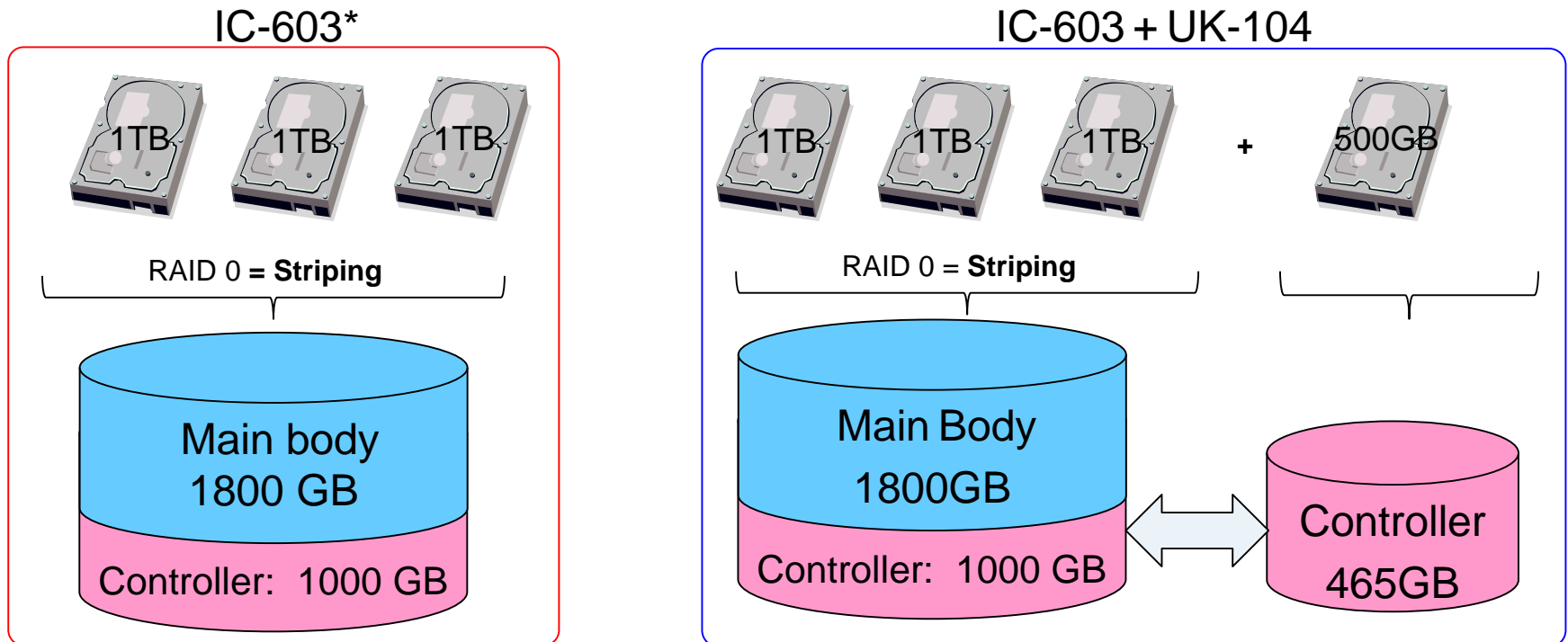
# 1.2 System Configuration (4/6)

## ❖ HDD Configuration (1/3)

### ▪ Differences between the IC-603 and the IC-603 + UK-104 (C2070 Series)

Because the IC-603 is an AIO controller, it shares the HDDs with the main body in the standard configuration.

When the UK-104 is installed, the IC-603 independently uses the added HDD.



\*IC-604 : 4 TB(approx. 2300 GB + approx. 1400 GB)

📌 HDD sizes that are shown are all approximate.

# 1.2 System Configuration (5/6)

## ❖ HDD Configuration (2/3) (For IC-603 only)

### ▪ Operation of the extended HDD

Even if you add the HDD physically, the standard HDD is used basically and the added HDD is not.

Purpose:

In the present condition, the problem is that the intermediate file size that the interpreter makes in the field became so large, and the capacity of the standard HDD was insufficient. It leads to the printing failure. When you print such files, the added HDD is used as the cash area.

How to configure:

Switch the software switch 139 to On. For the details, refer to the user's guide.

Background of the specification:

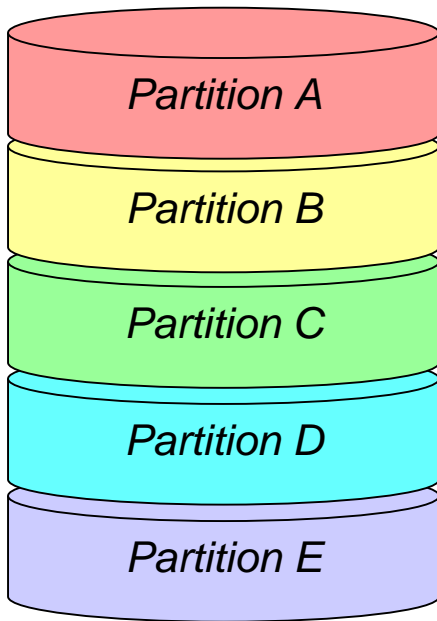
- When the added 500GB is used, the usable area of the controller becomes smaller than the HDD size of the controller in the standard configuration.
- Because of the improvement of the HDD performance, the performance of 1TB-RAID configuration exceeds the performance of the added HDD. (The performance of the added HDD is more likely to decrease.)

# 1.2 System Configuration (6/6)

## ❖ HDD Configuration (3/3)

### ■ IC-603/IC-604 HDD partitioning

The IC-603/IC-604 HDDs are partitioned into 5 areas, regardless of whether a UK-104 is installed. (Partition sizes differ.)



Item	Purpose	IC-604	IC-603A/B	IC-603A/B + UK-104
Partition A	Job history/log storage	60 GB	45 GB	
Partition B	Settings information storage	16 GB	12 GB	
Partition C	Color settings information storage	40 GB	36 GB	
Partition D	Font information storage	20 GB	15 GB	
Partition E	User data storage	1250 GB	930 GB	1395 GB *

📌 HDD sizes that are shown are all approximate.

📌 \*:The added 465 GB is used as a cache area only.

# 1.3 Product Specifications (1/8)

Item	Timing	Overview		Slide
Printer driver Support OS	Ver.1.0	C2070	<ul style="list-style-type: none"> <li>· Windows 10 was added</li> <li>· Windows 8 was deleted</li> <li>· Windows Server 2003 and Windows Server 2003 R2 were deleted</li> <li>· Mac OS 10.5 and 10.6 were deleted</li> <li>· Mac OS 10.11 was added</li> </ul>	No
		C1100/ C1070	<p>&lt;Windows&gt; Windows Server 2003 / Server 2003 R2 / Vista / Server 2008 / Server 2008 R2 / 7 / 8 / 8.1 / Server 2012 / Server 2012 R2</p> <p>&lt;Mac&gt; Mac OS 10.5 / 10.6 / 10.7 / 10.8 / 10.9 / 10.10</p>	
APPE	Ver.1.0	C2070	Ver. 3.4	No
		C1100/ C1070	Ver. 2.6	

# 1.3 Product Specifications (2/8)

## ❖ Update

Item	Timing	Overview		Slide
<b>Printer driver Support OS</b>	Ver.2.0	C6100/ C2070	A change has been made in the supported Windows and Mac operating systems.	Yes
		C2070	-	
<b>APPE</b>	Ver.2.0	C6100	Ver. 4.2	No
		C2070	Ver. 3.4	

# 1.3 Product Specifications (3/8)

## ❖ Hardware Specifications

Item	IC-603			
CPU	Uses main body CPU (AIO)			
	Model	Specifications		
	C2070 / C2070P	Core i5 4570S 2.9GHz		
	C2060 / C2060L	Pentium G3420 3.2GHz		
Memory	Uses main body memory (AIO)			
	Model	Main body	IC-603	UK-104
	C2070 / C2060 / C2060L	10 GB	4 GB (IC-603A)	4 GB
C2070P	4 GB	8 GB (IC-603B)	4 GB	
SSD	2 GB			
HDD	Uses main body HDD (AIO) (See "System Configuration" page.)			

# 1.3 Product Specifications (4/8)

## ❖ Hardware Specifications

Item	IC-604		
CPU	Uses main body CPU (AIO)		
	Model	Specifications	
	C6100/C6085	Core i5 4570S 2.9GHz	
Memory	Uses main body memory (AIO)		
	Model	Main body	IC-604
	C6100/C6085	8 GB	12 GB
SSD	4 GB		
HDD	Uses main body HDD (AIO) (See "System Configuration" page.)		

# 1.3 Product Specifications (5/8)

## ❖ Software Specifications

Item		IC-603
Printer drivers	PS Plug-in	Windows Vista/7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server2012 R2 (Including 64bit version)
		Mac OS 10.7 / 10.8 / 10.9 / 10.10 / 10.11
	PPD	<ul style="list-style-type: none"> <li>· Windows Vista/7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server 2012 R2 (Including 64bit version)</li> <li>· Linux CUPS</li> </ul>
PDL	PS	Adobe PS3 (CPSI: 3020)
	PDF	PDF Ver. 1.7, APPE Ver. 3.4, PDF/VT Ver. 2
	PCL	5c-compatible, XL-compatible (PCL 6 Ver. 3)
	TIFF	Ver. 6-compliant
	PPML	Ver. 2.2
Scanner functions		Scan to E-mail Scan to HDD Scan to FTP Scan to SMB Scan to USB Scan to WebDAV

# 1.3 Product Specifications (6/8)

## ❖ Software Specifications

Item		IC-603 (Version 2.0)
Printer drivers	PS Plug-in	Windows 7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server2012 R2 / <b>Server 2016</b> (Including 64bit version)
		Mac OS 10.8 / 10.9 / 10.10 / 10.11 / <b>10.12</b>
	PPD	<ul style="list-style-type: none"> <li>· Windows 7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server 2012 R2 /<b>Server 2016</b>(Including 64bit version)</li> <li>· Linux CUPS</li> </ul>
PDL	PS	Adobe PS3 (CPSI: 3020)
	PDF	PDF Ver. 1.7, APPE Ver. 3.4, PDF/VT Ver. 2
	PCL	5c-compatible, XL-compatible (PCL 6 Ver. 3)
	TIFF	Ver. 6-compliant
	PPML	Ver. 2.2
Scanner functions		Scan to E-mail Scan to HDD Scan to FTP Scan to SMB Scan to USB Scan to WebDAV

# 1.3 Product Specifications (7/8)

## ❖ Software Specifications

Item		IC-604
Printer drivers	PS Plug-in	Windows 7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server2012 R2 / <b>Server 2016</b> (Including 64bit version)
		Mac OS 10.8 / 10.9 / 10.10 / 10.11 / <b>10.12</b>
	PPD	<ul style="list-style-type: none"> <li>· Windows 7 /8.1 /10 /Server 2008 /Server 2008 R2/Server 2012 /Server 2012 R2 /<b>Server 2016</b>(Including 64bit version)</li> <li>· Linux CUPS</li> </ul>
PDL	PS	Adobe PS3 (CPSI: 3020)
	PDF	PDF Ver. 1.7, APPE Ver. <b>4.2</b> , PDF/VT Ver. 2
	PCL	5c-compatible, XL-compatible (PCL 6 Ver. 3)
	TIFF	Ver. 6-compliant
	PPML	Ver. 2.2
Scanner functions		Scan to E-mail Scan to HDD Scan to FTP Scan to SMB Scan to USB Scan to WebDAV

# 1.3 Product Specifications (8/8)

## ❖ Supported Applications

Item	IC-603/IC-604
<b>HDD TWAIN Driver</b>	Application for capturing Scan to HDD jobs
<b>Real Time Mode TWAIN Driver</b>	Available in GUI and non-GUI versions. Also compatible with eCopy.
<b>AccurioPro Hot Folder</b>	Supports PS, PDF, TIFF, PPML, PCL and JPEG. Includes a Hot Folder function. Replaced from PageScope Direct Print.
<b>Print Status Notifier</b>	Notifies the user of events occurring during job execution.
<b>PageScope Mobile for iPhone/iPad</b>	Prints and scans by using the iPhone/iPad.
<b>PageScope Mobile for Android</b>	Prints and scans by using the Android.
<b>PageScope Enterprise Suite</b>	Manages network devices and counting.
<b>Color Centro</b>	Performs color management.
<b>Job Centro</b>	Performs job management.

- 📌 For information on applications other than Color Centro and Job Centro, refer to the User's Guide or Help for the particular application.

# Lesson 1 Review



**In this lesson you learned to:**

- 1.1 Product Planning
- 1.2 System Configuration
- 1.3 Product Specifications

# Course Completion

## ❖ Congratulations!

You have completed the **IC-604** Technical Training Course **Introduction** module.

**After reviewing this course you should now have a good understanding of:**

- Introduction