

# **SAP Printing**

## **Customer documentation**

### **Volume 1**

# ReadMe: Support by Gestetner

Version: 1.54

**Abstract:**

This document contains first-step information about support by Gestetner for printing from SAP systems (R/3, mySAP ERP). It explains the supported device models, the available SAP device types, and the available documentation.

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### **Important notice**

Parts of this manual are subject to change without prior notice.

# 1. The Concept

This chapter introduces our approach to support printing to our **printer devices** from **SAP systems** (R/3, mySAP ERP).

The printer controllers of our devices support the PCL, PJJ and/or PostScript **printer language**.

A priori, the customer can print on our devices with any suitable **SAP standard device type**, such as HPLJ4, as indicated in [SAP note # 8928](#). However, this way it is hard to activate our devices' specific features, like additional input and output trays, and finishing options, like stapling and punching.

Alternatively, some settings could be configured on the device's front panel. This is acceptable to do for permanent changes, but not for a per-job basis. Using the Windows driver based SWIN/SAPWIN device types has also some drawbacks.

For the above reasons, we provide a **family of proprietary device types (DT)**.

The device types differ in the class of device models they support, the printer language they are based on, the device features supported, and some other "DT distinctive features".

For a list of the **supported device models** see below.

For the definition of the **DT distinctive features** see below.

For a list of the **supported features** see the corresponding issue of [Volume 2](#) of the documentation.

For some device models and features the degree of support may be partially limited. Those **limitations** can be found in [Volume 3](#).

Each device type, as shipped, is "**generic**": In particular, it is independent of any specific device model.

For each device setting, the "generic" code contains initially a default command sequence, and/or is commented out.

The customer can and needs to configure the settings by himself, thus adapting the device type to the targeted device model and the intended behavior.

The shipped device type has to be used as a template for creating the actual device types to use.

If the SAP system and the shipped Device type support **POSS** ("Print Options for SAPscript and SmartForms"), then the configuration of most features can be done in each Output device, using the shipped Device type as-is.

The **accompanying documentation** provides the necessary detailed information to the customer, i.e. typically, the SAP administrator. See below for the contents.

For general information about our proprietary device types, their **installation** and **configuration**, see [Volume 2](#).

For information about a particular device type (supported features, limitations), read the corresponding issue of [Volume 2](#).

For information about a particular device model (features, commands, limitations), read the corresponding issue of [Volume 3](#).

For a general printing **troubleshooting** procedure and how to contact **support**, see [Volume 2](#).

## 1.1 The SAP systems supported

The support is essentially platform-independent.

Explicitly supported are these [Enterprise Resource Planning \(ERP\) systems by SAP](#):

- **SAP S/4 HANA**
- **SAP R/3** (release versions 3.0 and higher)
- **SAP R/3 Enterprise**
- **mySAP ERP** (2004 and higher)

In our documentation these are collectively referred to as "**SAP systems**", unless a distinction is necessary.

## 1.2 The Device models supported

For a list of the printer device models for which SAP printing is supported, please refer to [Appendix D](#).

A "**device class**" [DCxx] groups device models which have similar behaviour with respect to SAP printing.

For information about a particular device model (features, commands, limitations):

1. Determine which device class your device model belongs to, say [DCxx].
2. Refer to the corresponding section of [Volume 3 \[DCxx\]](#).

## 1.3 The family of provided Device types

### The naming of the Device types

The name of an individual member of our proprietary family of Device types reflects:

- the model controller type supported (m)
- the DT distinctive features supported (xx)

- the codepage it supports (c)
- the version (vvv)

**Z **m** **xx** **c** **vvv****

### **The Model controller type (m)**

The following model controller types are supported:

- A
- B

They differ by the supported command set and their behaviour.

### **The DT distinctive features (xx)**

The individual members of our family of proprietary Device types differ by certain features, hereafter referred to as "DT distinctive features".

<b>Tag</b> - value	<b>&lt; DT distinctive feature &gt;</b> = meaning
<b>[Fabapd]</b> - NONE - HPL2	<b>&lt; ABAP list driver default &gt;</b> (default/initial setting) = "Do not use printer driver ..." (standard) = "Printer driver for PCL-5 (...)"
<b>[Fbarcs]</b> - B0= none - B2= BOP - B3= IBS	<b>&lt; barcoding solution compatibility/support &gt;</b> = none = "Barcode & OCR Package" (BOP) = "Barcode & OCR Package - Intelligent version" (BOCR)
<b>[Ffscal]</b> - S0 - S1 - S2	<b>&lt; font scaling mechanism &gt;</b> = discrete (like HPLJ4 ) = arbitrary (scalable flag) (like HPLJ4000 ) = dto. & (proportional flag) (like HPUTF8 )
<b>[Fposs]</b> - P0 - P1	<b>&lt; "Print Options for SAPscript and SmartForms" (POSS) support &gt;</b> = not supported = supported

### **The code pages supported (c)**

The individual members of our family of proprietary Device types differ by the set of characters supported.

<b>c =</b>	<b>Code page</b>	<b>SAP character set</b>	<b>PCL symbol set</b>	<b>Definition</b>
- 1	Latin-1	1116	0N	ISO8859-1
- 2	Latin-2	1416	2N	ISO8859-2
- U	Unicode	4210	18N	Unicode (Andale fonts)
- V	Unicode	4210	18N	Unicode (resident fonts)

### **The members of the ZA0x & ZB0x DT families**

<b>xx</b>	<b>c</b>	<b>vvv</b>	<b>[Fbarcs]</b>	<b>[Fabapd]</b>	<b>[Ffscal]</b>		<b>[Fposs]</b>
- 00	1,2	001..013	none/ BOP	NONE	S0 discrete (like HPLJ4)		P0
		014..inf	none/ BOP	NONE	S2 scalable (like HPUTF8)		P0
		016..018	none/ BOP	NONE	S2 scalable (like HPUTF8)		P1
		020..inf	none/ BOP	HPL2	S2 scalable (like HPUTF8)		P1
- 00	U,V	011	none/ BOP	NONE	S2 scalable (like HPUTF8)		P0
		012..013	none/ BOP	NONE	S2 scalable		P0

			BOP		(like HPUTF8)		
		014 .. inf	none/ BOP	NONE	S2 scalable (like HPUTF8)		P0
		016 .. 018	none/ BOP	NONE	S2 scalable (like HPUTF8)		P1
		020 .. inf	none/ BOP	HPL2	S2 scalable (like HPUTF8)		P1
- <u>01</u>	1,2	006..inf	IBS	same as xx=00	same as xx=00		P0
		016..inf	IBS	same as xx=00	same as xx=00		P1
- 01	U,V	011..inf	IBS	same as xx=00	same as xx=00		P0
		016..inf	IBS	same as xx=00	same as xx=00		P1
- <u>04</u>	1,2	014..inf	none/ BOP	NONE	S0 discrete (like HPLJ4)		P0
- <u>05</u>	1,2	014..inf	IBS	same as xx=04	same as xx=04		P0

## 2. The Device Types

This chapter lists all our proprietary SAP device types available.

There are two ZA DT families: { **ZA00** , **ZA01** }, their legacy version counterparts { **ZA04** , **ZA05** }, and one ZB DT family { **ZB00** }.

**Note:** (ZB00: Difference between ZA and ZB)

The ZB0x DT family has been newly introduced in v025 to support the new model controller type of Device class [DC68].

The ZA0x DT family supports the model controller type of all other Device classes.

**Note:** (Difference between Zm00 and Zm01)

The difference between them lies only in the support for barcoding; please refer to [Volume 2 \[ZA0x\]](#).

For the barcode solution "Barcode & OCR Package" (BOP), the Device type Zm001vvv has to be used.

For the barcode solution "Barcode & OCR Package - Intelligent version" (BOCR), the Device types ZA01cvvv (c=1,2,U,V) have to be used.

For non-barcode printing, the Device types Zm00cvvv (c=1,2,U,V) should be used.

**Note:** (Specification of ZA04 and ZA05)

ZA04 is a legacy version of ZA00.

ZA05 is a legacy version of ZA01.

They only support discrete font sizes. Otherwise they are identical to their counterparts.

This is required for older SAP systems, namely SAP R/3 rel 3.x.

To obtain them, please contact Technical support.

For each device type family the following information is provided here:

- Latest release version
- Base page description language (PDL): PCL
- Name of device type file (ZAxxcvvv.PRI) for each character set supported
- Usage
- List of device models supported

For more information about a particular device type, such as supported features and limitations, please refer to the corresponding issue of documentation [Volume 2](#).

### 2.1 ZA00 (and ZA04)

**Release version:** 024

**Printer language:** PCL5

**Device type file:** **Character set:**

• <b>ZA001024.PRI</b>	1116 (Latin-1 / 0N)	
• <b>ZA002024.PRI</b>	1416 (Latin-2 / 2N)	
• <b>ZA00U024.PRI</b>	4210 (Unicode / 18N) (Andale fonts)	
• <b>ZA00V024.PRI</b>	4210 (Unicode / 18N) (resident fonts)	
• <b>ZA041024.PRI</b>	1116 (Latin-1 / 0N)	-- legacy version for SAP R/3 rel 3.x with discrete font sizes
• <b>ZA042024.PRI</b>	1416 (Latin-2 / 2N)	-- dto.

**Usage:** Prepared for use with the barcode solution "Barcode & OCR Package" (BOP).  
Should also be used for non-barcode printing.

**Device models supported:**

Refer to [Appendix D](#); the models supported by this Device type are tagged "(ZA)".

For which of these printer device models are supported by the barcode solution "Barcode & OCR Package", please refer to its User's Manual.

### 2.2 ZA01 (and ZA05)

**Release version:** 024

**Printer language:** PCL5

**Device type file:** **Character set:**

• <b>ZA011024.PRI</b>	1116 (Latin-1 / 0N)	
• <b>ZA012024.PRI</b>	1416 (Latin-2 / 2N)	
• <b>ZA01U024.PRI</b>	4210 (Unicode / 18N) (Andale fonts)	
• <b>ZA01V024.PRI</b>	4210 (Unicode / 18N) (resident fonts)	

• <b>ZA051024.PRI</b>	1116 (Latin-1 / 0N)	-- legacy version for SAP R/3 rel 3.x with discrete font sizes
• <b>ZA052024.PRI</b>	1416 (Latin-2 / 2N)	-- dto.

**Usage:** Prepared for the sole use with the barcode solution "Barcode & OCR Package - Intelligent version" (BOCR).  
**Note:** This product is not available in all regions.

**Device models supported:**

The same models as for ZA00 are supported. Refer to [Appendix D](#); the models supported by this Device type are tagged "(ZA)".

For which of these printer device models are supported by the barcode solution "Barcode & OCR Package - Intelligent version" (BOCR), please refer to its User's Manual.

## 2.3 ZB00

**Release version:** 025

**Printer language:** PCL5

**Device type file:** Character set:

• <b>ZB001025.PRI</b>	1116 (Latin-1 / 0N)
• <b>ZB002025.PRI</b>	1416 (Latin-2 / 2N)
• <b>ZB00U025.PRI</b>	4210 (Unicode / 18N) (Andale fonts)

**Usage:** Prepared for use with the barcode solution "Barcode & OCR Package" (BOP).  
Should also be used for non-barcode printing.

**Device models supported:**

Refer to [Appendix D](#); the models supported by this Device type are tagged "(ZB)".

For which of these printer device models are supported by the barcode solution "Barcode & OCR Package", please refer to its User's Manual.

## 3. The Documentation

The following pieces of documentation are available in Acrobat/PDF format. Please use always the latest available version.

**For more information**, please refer to:

- your SAP documentation
- standard SAP literature
- <http://help.sap.com>
- <http://service.sap.com>

### 3.1 Volume 1 = ReadMe

This ReadMe file. Contains first-step information for the customer.

### 3.2 Volume 2 : [Device type] = Device type specific information

Contains general information about device types, such as:

- Installation and Configuration
- Troubleshooting and Support

Contains specification information specific for the indicated proprietary device type (family), such as:

- Features supported
- Formats, Print controls, Fonts, Cover pages
- Limitations

**Note:** (ZB0x specific information)

Please note that the manual "Volume 2 [ZA0x]" is primarily focused on the ZA0x Device types. Deviations and information specific to the ZB0x Device types are currently not documented there. In the case of questions or problems, please contact Technical support.

**Note:** (Print control naming Zxxxx vs Xxxxx)

The naming of non-standard Print controls in our Device types has been changed to "Xxxxx".  
Note that in some of these documents they may still show as "Zxxxx".

### 3.3 Volume 2B = Barcode and OCR text printing

Contains information about Barcode and OCR text printing from SAP systems.

### 3.4 Volume 3 : [Device class] = Device-specific information

Contains general information about our devices, such as:

- Printer languages
- Configurable features

Contains information specific for the indicated device, such as:

- Hardware accessories
- Features and Settings
- Commands
- Limitations

**Note:** (Print control naming Zxxxx vs Xxxxx)

The naming of non-standard Print controls in our Device types has been changed to "Xxxxx".  
Note that in some of these documents they may still show as "Zxxxx".



## 4. Appendices

### 4.1 Appendix D: Device models supported

The table below lists the supported device models, sorted by the device class they belong to.

Device class		Gestetner Brand Name	Remarks (*1)
• [DC01] (*2)	a b c	3235S 3235 3245	(C--) (Us) (P--)(Bs) (ZA)
• [DC02] (*2)	a b	3222 3227	(C--) (Us) (P--)(Bs) (ZA)
• [DC03] (*2)	a	P7045	(C--) (Us) (P--)(Bs) (ZA)
• [DC04] (*2)	a b c	3355 3370 5502	(C--) (Us) (P--)(B+) (ZA)
• [DC05] (*2)	a b	P7026 P7026n	(C--) (Us) (P--)(B+) (ZA)
• [DC06] (*2)	a b	3502 4502	(C--) (Us) (P--)(B+) (ZA)
• [DC07]		P7032	(C--) (Us) (P--)(B+) (ZA)
• [DC08] (*2)	a b c d	3285 32105 8502 10502	(C--) (Us) (P--)(B+) (ZA)
• [DC09]		C7010	(C+) (Us) (P--)(B+) (ZA)
• [DC10] (*2)		DSc38	(C+) (Us) (P--)(B+) (ZA)
• [DC11]		P7145	(C--) (Us) (P--)(B+) (ZA)
• [DC12] (*2)	a b c	2212 2712 --	(C--) (Us) (P--)(B+) (ZA)
• [DC13]	a b	DSc224 / DSc524 DSc232 / DSc532	(C+) (Us) (P--)(B+) (ZA)
• [DC14] (*2)	a b	P7126 P7126n	(C--) (Us) (P--)(B+) (ZA)
• [DC15]	a b c d e	C7116 -- C7416 C7417 --	(C+) (Us) (P--)(B+) (ZA)
• [DC16]	a b	6002 7502	(C--) (Us) (P--)(B+) (ZA)
• [DC17]	a b c d	3532 / 4235g 4532 / 4245g DSm635 / DSm635G DSm645 / DSm645G	(C--) (Us) (P--)(B+) (ZA)
• [DC18] (*2)		DSc38u	(C+) (Us) (P--)(B+) (ZA)
• [DC19]	a b	9002 10512	(C--) (Us) (P--)(B+) (ZA)
• [DC20]	a b c	DSm622 DSm627 --	(C--) (Us) (P--)(B+) (ZA)
• [DC21]	a	P7325	(C--) (Us) (P--)(B+) (ZA)

	b c	P7325N P7527	
• [DC22]		P7132n	(C--) (U--) (P--)(B+) (ZA)
• [DC23]	K y z	DSc328 DSc332 DSc338	(C+) (Us) (P--)(B+) (ZA)
• [DC24]		C7435n	(C+) (Us) (P--)(B+) (ZA)
• [DC25]	a	P7431cn	(C+) (Us) (P--)(B+) (ZA)
• [DC26]	a b	C7425dn --	(C+) (Us) (P--)(B+) (ZA)
• [DC27]	a b c	DSm651 DSm660 DSm675	(C--) (Us) (P--)(B+) (ZA)
• [DC28]		P7535n	(C--) (Us) (P--)(B+) (ZA)
• [DC29]		P7527n	(C--) (Us) (P--)(B+) (ZA)
• [DC30]	b c	DSc424 DSc432	(C+) (Us) (P--)(B+) (ZA)
• [DC31]	K a b	DSc428 DSc435 DSc445	(C+) (Us) (P--)(B+) (ZA)
• [DC32]	a b	DSc460 CS555	(C+) (Us) (P--)(B+) (ZA)
• [DC33]		P7575	(C--) (Us) (P--)(B+) (ZA)
• [DC34]	a c	C7528n C7535n	(C+) (Us) (P--)(B+) (ZA)
• [DC35]	b c d e f g	DSm615 DSm618 DSm618d DSm616 DSm620 DSm620d	(C--) (Us) (P+)(B+) (ZA)
• [DC36]	b c	DSm735/735G DSm745/745G	(C--) (Us) (P--)(B+) (ZA)
	e f	DSm735e DSm745e	(C--) (U+) (P--)(B+) (ZA)
• [DC37]	b c	DSm725 DSm730	(C--) (Us) (P--)(B+) (ZA)
	e f	DSm725e DSm730e	(C--) (U+) (P+)(B+) (ZA)
• [DC38]	a b c d e f	DSm790 DSm7110 DSm7135 Pro 906EX Pro 1106EX Pro 1356EX	(C--) (U+) (P--)(B+) (ZA)
• [DC39]	a b c d e f	DSm755 DSm765 DSm775 DSm760 DSm770 DSm780	(C--) (U+) (P+)(B+) (ZA)
• [DC40]	a b L	C7526dn C7531dn --	(C+) (U+) (P+)(B+) (ZA)
• [DC41]	a b	C7521n --	(C+) (Us) (P--)(B+) (ZA)
• [DC42]	a	DSc525	(C+) (U+) (P+)(B+) (ZA)

	b k	DSc530 DSc520	
• [DC43]	c d	DSc535 DSc545	(C+) (U+) (P+)(B+) (ZA)
• [DC44]		P7675	(C--) (U+) (P+)(B+) (ZA)
• [DC45]		P7245	(C--) (U+) (P--)(B+) (ZA)
• [DC46]	b c	DSm716 DSm721d	(C--) (U+) (P--)(B+) (ZA)
• [DC47]		C7640nD	(C+) (U+) (P--)(B+) (ZA)
• [DC50]	b c L	P7031n P7035n P7031nL	(C--) (U+) (P+)(B+) (ZA)
• [DC51]		SP C420DN	(C+) (U+) (P+)(B+) (ZA)
• [DC52]	a b	MP C6000 MP C7500	(C+) (U+) (P+)(B+) (ZA)
• [DC53]	b c e f	MP 4000/4000B MP 5000/5000B MP 4001/4001G MP 5001/5001G	(Cg) (U+) (P+)(B+) (ZA)
• [DC54]	b c e f	MP 2550/2550B MP 3350/3350B MP 2851 MP 3351	(Cg) (U+) (P+)(B+) (ZA)
• [DC55]		DSm625	(C--) (U+) (P--)(B+) (ZA)
• [DC56]		DSm416	(C--) (U+) (P--)(B+) (ZA) (*3)
• [DC57]		SP 8200DN	(Cg) (U+) (P+)(B+) (ZA)
• [DC59]		SP 4210N	(Cg) (U+) (P+)(B+) (ZA)
• [DC60]	a b c	Pro 907EX Pro 1107EX Pro 1357EX	(Cg) (U+) (P+)(B+) (ZA)
• [DC61]	a b c d	MP C2800 MP C3300 -- --	(C+) (U+) (P+)(B+) (ZA)
• [DC62]	c d g h	MP C4000 MP C5000 -- --	(C+) (U+) (P+)(B+) (ZA)
• [DC63]	a c d f La Lc	MP C2050 MP C2550 MP C2051 MP C2551 MP C2030 --	(C+) (U+) (P+)(B+) (ZA)
• [DC64]	c d	C8140ND C8150ND	(C+) (U+) (P+)(B+) (ZA)
• [DC68]	a b c	Pro 907 Pro 1107 Pro 1357	(C--) (U+) (P+)(B+) (ZB)
• [DC69]	a b d e	DSm761 DSm771 DSm781 DSm791	(Cg) (U+) (P+)(B+) (ZA)
• [DC70]	-- b	MP 171SPF MP 201SPF	(Cg) (U+) (P+)(B+) (ZA)
• [DC72]		SP 6330N	(Cg) (U+) (P+)(B+) (ZA)

• [DC73]	a b	MP C6501SP MP C7501SP	(C+) (U+) (P+)(B+) (ZA)
• [DC74]		GX e5550N	(C+) (Us) (P+)(Bs) (ZA)
• [DC75]	b	GX e3350N	(C+) (Us) (P+)(Bs) (ZA)
• [DC76]	a b	SP C430DN SP C431DN	(C+) (U+) (P+)(B+) (ZA)
• [DC77]	a b	MP C300 MP C400	(C+) (U+) (P+)(B+) (ZA)
• [DC78]		--	(C+) (U+) (P+)(B+) (ZA)
• [DC79]	f m	-- -- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC80]	a b	-- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC81]	a b c	-- -- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC82]		SP 4310N	(Cg) (U+) (P+)(B+) (ZA)
• [DC83]	b c	MP 4002 ~ DSm940 MP 5002 ~ DSm950	(Cg) (U+) (P+)(B+) (ZA)
• [DC84]	c d	MP C4502 MP C5502	(C+) (U+) (P+)(B+) (ZA)
• [DC85]	a b	MP C3002 ~ DSc930 MP C3502 ~ DSc935	(C+) (U+) (P+)(B+) (ZA)
• [DC86]	b c	-- --	(C+) (Us) (P+)(Bs) (ZA)
• [DC87]		MP C305SP ~ DSc530SP	(C+) (U+) (P+)(B+) (ZA)
• [DC88]	a c e	MP 6002 MP 7502 MP 9002	(Cg) (U+) (P+)(B+) (ZA)
• [DC89]		MP 301	(Cg) (U+) (P+)(B+) (ZA)
• [DC90]		--	(C+) (Us) (P+)(Bs) (ZA)
• [DC91]		--	(Cg) (U+) (P+)(B+) (ZA)
• [DC92]	c d	-- --	(C+) (U+) (P+)(B+) (ZA)
• [DC93]		--	(C+) (U+) (P+)(B+) (ZA)
• [DC94]	b c	MP 2001 ~ DSm1020 MP 2501 ~ DSm1025	(Cg) (U+) (P+)(B+) (ZA)
• [DC95]	a b	MP C6502SP MP C8002SP	(C+) (U+) (P+)(B+) (ZA)
• [DC96]	a b	-- --	(C+) (U+) (P+)(B+) (ZA)
• [DC97]		--	(Cg) (Us) (P+)(Bs) (ZA)
• [DC98]	a b c d e y z	MP C3003 ~ DSc1030 MP C3503 MP C4503 ~ DSc1045 MP C5503 MP C6003 ~ DSc1060 MP C2003 ~ DSc1020 MP C2503 ~ DSc1025	(C+) (U+) (P+)(B+) (ZA)
• [DC99]	a b c	-- -- --	(Cg) (U+) (P+)(B+) (ZA)

• [DC100]	a b c	MP 2553 ~ DSm1525 MP 3053 ~ DSm1530 MP 3353 ~ DSm1533	(Cg) (U+) (P+)(B+) (ZA)
• [DC101]	d dM	-- MP 401SPF	(Cg) (U+) (P+)(B+) (ZA)
• [DC102]	c dM cRS	-- -- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC103]	b bF	MP C401 MP C401SR	(C+) (U+) (P+)(B+) (ZA)
• [DC105]	a b	-- --	(Cg) (Us) (P+)(Bs) (ZA)
• [DC106]	aRS	-- --	(Cg) (Us) (P+)(Bs) (ZA)
• [DC107]		--	(Cg) (U+) (P+)(B+) (ZA)
• [DC108]	c d e f g h	MP 2554 ~ DSm2525 MP 3054 ~ DSm2530 MP 3554 ~ DSm2535 MP 4054 ~ DSm2540 MP 5054 ~ DSm2550 MP 6054 ~ DSm2560	(Cg) (U+) (P+)(B+) (ZA)
• [DC109]		MP C2011 ~ DSc1120	(C+) (U+) (P+)(B+) (ZA)
• [DC110]	d	--	(C+) (U+) (P+)(B+) (ZA)
• [DC112]		-- --	(C+) (U+) (P+)(B+) (ZA)
• [DC113]	a b	MP C306 MP C406	(C+) (U+) (P+)(B+) (ZA)
• [DC114]	a b c d e y z	MP C3004/ex ~ DSc1230/ex MP C3504/ex MP C4504/ex ~ DSc1245/ex -- MP C6004/ex ~ DSc1260/ex MP C2004/ex ~ DSc1220/ex MP C2504/ex ~ DSc1225/ex	(C+) (U+) (P+)(B+) (ZA)
• [DC115]	b c	-- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC116]		MP 305+	(Cg) (U+) (P+)(B+) (ZA)
• [DC117]	a c e	MP 6503 MP 7503 MP 9003	(Cg) (U+) (P+)(B+) (ZA)
• [DC118]	a b	MP C6503 MP C8003	(C+) (U+) (P+)(B+) (ZA)
• [DC119]	a b	Pro C5200S Pro C5210S	(C+) (U+) (P+)(B+) (ZA)
• [DC120]	a b	-- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC121]	a b	-- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC122]	a d	-- --	(C+) (U+) (P+)(B+) (ZA)
• [DC123]	c e	-- --	(C+) (U+) (P+)(B+) (ZA)
• [DC124]	dM	MP 402	(Cg) (U+) (P+)(B+) (ZA)
• [DC125]	a b	MP C307 MP C407	(C+) (U+) (P+)(B+) (ZA)
• [DC126]	c d e f g h	MP 2555 ~ DSm 2625 MP 3055 ~ DSm 2630 MP 3555 ~ DSm 2635 MP 4055 ~ DSm 2640 MP 5055 ~ DSm 2650 MP 6055 ~ DSm 2660	(Cg) (U+) (P+)(B+) (ZA)
• [DC127]	a b c	-- -- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC128]	b c	-- --	(Cg) (U+) (P+)(B+) (ZA)
• [DC129]		--	(C+) (U+) (P+)(B+) (ZA)
• [DC130]		--	(Cg) (U+) (P+)(B+) (ZA)
• [DC131]	a	--	(C+) (Us) (P+)(Bs) (ZA)
• [DC132]	a4 a3	-- --	(C+) (Us) (P+)(Bs) (ZA)

	<b>b</b>	--	
• [DC133]	<b>cM</b>	IM 350	(Cg) (U+) (P+)(B+) (ZA)
	<b>d/dM</b>	IM 430	
• [DC134]	<b>d</b>	--	(Cg) (U+) (P+)(B+) (ZA)
	<b>dM</b>	--	
• [DC135]	<b>a</b>	IM C3000 ~ GS3030	(C+) (U+) (P+)(B+) (ZA)
	<b>b</b>	IM C3500	
	<b>c</b>	IM C4500 ~ GS3045	
	<b>d</b>	--	
	<b>e</b>	IM C6000 ~ GS3160	
	<b>y</b>	IM C2000 ~ GS3020	
	<b>z</b>	IM C2500 ~ GS3025	
• [DC136]		--	(C+) (U+) (P+)(B+) (ZA)
• [DC137]		IM 2702 ~ GS1227	(Cg) (Us) (P+)(Bs) (ZA)
• [DC138]	<b>a</b>	--	(Cg) (U+) (P+)(B+) (ZA)
	<b>b</b>	--	
	<b>c</b>	--	
• [DC139]	<b>a</b>	--	(Cg) (U+) (P+)(B+) (ZA)
	<b>b</b>	--	
• [DC140]	<b>a</b>	--	(Cg) (U+) (P+)(B+) (ZA)
	<b>b</b>	--	
	<b>c</b>	--	
• [DC141]	<b>b</b>	--	(Cg) (U+) (P+)(B+) (ZA)
	<b>c</b>	--	

**Note: (\*1)**

The following tags are used to describe particular features of the model ((...+) = supported/present, (...--) = not supported/present).

- (Cx) = Color support: ( C-- = b&w (cannot handle color data); **Cg** = b&w (converts color data to grayscale); **C+** = color )

- (Ux) = Unicode support

(Us = supported by SAP Unicode Printing Enhancement (UPE) function, details in SAP Note 1812076;

**U+** = supported by RICOH Andale font)

- (Px) = POSS support confirmed and documented in Volume 3 (Print Options for SAPscript and Smartforms)

- (Bx) = Barcode and OCR support

(Bs = supported by SAP New barcode technology, details in SAP Note 645158, without OCR support;

**B+** = supported by IBS/BOP products, offered by RICOH, with OCR support)

- (Zm) = model controller type {m=A,B}

**Note: (\*2)**

The Volume 3 for these device classes will no longer be updated.

**Note: (\*3)**

This model is only supported via customization; no customer documentation Volume 3 exists.

**Note:**

A model name suffix "SP" or "SPF" may be omitted.