



SAP Device Types for HP Printers

Contents

Printer Drivers and Device Types	1
List of Device Types for HP Printers	2
Device Types with the “Z” Prefix.....	12
Custom Device Types	13
Check and Barcode Printing.....	14
Additional Device Types	15
Host Based Printers	17
How does host-based printing work	17
Benefits of Host-Based Printing	17
Limitations of Host-Based Printing	17
Printers with Limited PCL5 Fonts	18
SAP Printing support for OfficeJet Printers.....	19
Officejet Pro 8000 Enterprise Printer	19
More information	21

Printer Drivers and Device Types

In the SAP System, a distinction is made between "printer driver" and "device type." The device type consists of all the attributes defined for an output device. For correct access, these must be made known in the SAP System. They cover aspects such as control commands for font selection, page size, character set selection, character set used and so on. One of these attributes is the printer driver to be used by SAPscript (SAP System forms processor) for this particular printer.

At present, there are five SAPscript printer drivers for the following:

- HP-PCL5 (for example, HP LaserJet 3,4,5,6 series)
- PostScript printers (PS level 2)
- PRESCRIBE (for example, Kyocera FS-1500)
- Device types SWIN/SAPWIN/xxSWIN/xxSAPWIN
- All other models

The last driver is known as the "standard driver." It cannot provide absolutely precise positioning on the paper and does not support proportional fonts. Printer drivers are relevant for forms output with SAPscript. For the output of ABAP lists, special printer drivers are only used as of SAP Release 4.5A. They are anchored in the C kernel and are developed and maintained exclusively by SAP.

In the spool environment, device types refer not only to printers but also to other output devices, for example, fax machines. Device types support specific printers or printer models. Device type definitions are stored completely in tables and can be individually adapted, modified or enhanced. The list of device types is continually expanded.

List of Device Types for HP Printers

Below is the list of device types for HP printers. Most of these device types use "Western European" or "North American" character sets.

The device types named in this list are supported in the standard SAP System as of the release mentioned.

Supported HP Printer	Recommended PCL5 Device Type	Character Set	Supported SAP Release
HP Color LaserJet CM1015 mfp printer	ZHPC1017	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CM1017 mfp printer	ZHPC1017	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet 1500 printer (Host-Based)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 2600n printer (Host-Based)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 2605 printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 2700 printer	ZHP2700	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet 2820 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 2840 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 3000 printer	HPC3000 ZHPC3000	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 3500 printer (Host-Based)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet CP3505 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP Color LaserJet CP3505dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP3505x printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP3525 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP3525n printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP3525dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP3525x printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 3550 printer (Host-Based)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 3600 printer (Host-Based)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP Color LaserJet 3700 printer	HP3700 ZHP3700	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 3800 printer	HP3800 ZHP3800	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP1525n	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP1525nw	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP2025	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP2025n	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP2025dn	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP2025x	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP4005 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP4025n printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP4025dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher

SAP Device Types for HP Printers

HP Color LaserJet CP4525n printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP4525dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP4525xh printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5225 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5225n printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5225dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5525n printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5525dn printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet CP5525xh printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP Color LaserJet 4550 printer	HP4550 ZHP4550	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 4600 printer	HP4600 ZHP4600	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 4610 printer	HP4610 ZHP4610	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 4650 printer	HP4650 ZHP4650	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 4700 printer	HP4700 ZHP4700	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 4730 mfp printer	HP4730 ZHP4730	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CM4730 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 5500 printer	HP5500 ZHP5500	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 5550 printer	HP5550 ZHP5550	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CP6015 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CM6030 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP Color LaserJet CM6040 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 8550 printer	HP8550 ZHP8550	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 500 M551 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 9500 printer	HP9500 ZHP9500	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet 9500 mfp printer	HP9500M ZHP9500M	ISO 8859-1 (Latin 1)	4.5B & higher
HP LaserJet 600 M601 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 600 M602 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 600 M603 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 1022 printer	HP1022 ZHP1022	ISO 8859-1 (Latin 1)	4.6C & higher
HP LaserJet 1100 printer	HPLJ1100	ISO 8859-1 (Latin 1)	4.6C & higher
HP LaserJet 1160 printer	HP1160 ZHP1160	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 1200 printer	HP1200 ZHP1200	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 1320 printer	HP1320 ZHP1320	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P1505 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P2014 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P2015 printer (Limited PCL5 fonts)	SAPWIN -- requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 2200 printer	HP2200 ZHP2200	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 2300 printer	HP23 ZHP23	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 2430 printer	HP2430 ZHP2430	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP LaserJet M2727 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P3005 printer	ZHPP3005	ISO 8859-1 (Latin 1)	4.5 & higher
HP LaserJet P3015 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5 & higher
HP LaserJet M3027 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 3030 AiO printer	HP3030 ZHP3030	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M3035 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 3050 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 3052 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 3055 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 3200 printer	HP3200 ZHP3200	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 3390 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 3392 AiO printer (Limited PCL5 fonts)	SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui	--	See SAP Note # 8928
HP LaserJet 4000 printer	HPLJ4000	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P4014 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P4015 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 4100 printer	HP4100 ZHP4100	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 4200 printer	HP4300 ZHP4300	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP LaserJet 4240 printer	HP4240 ZHP4240	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 4250 printer	HP4250 ZHP4250	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 4300 printer	HP4300 ZHP4300	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 4345 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M4345 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P4515 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 5000 printer	HP5000 ZHP5000	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet M5025 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M5035 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 5100 printer	HP5100 ZHP5100	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 5200 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 8000 printer	HPLJ8000 ZHPLJ80	ISO 8859-1 (Latin 1)	4.5A & higher 4.5A & higher
HP LaserJet 8150 printer	HP8150 ZHP8150	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 9000 printer	HP9000 ZHP9000	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet 9040 mfp printer	HP9040 ZHP9040	ISO 8859-1 (Latin 1)	4.5B & higher
HP LaserJet 500MFP M525 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 9040 printer	HPLJ9050 ZHPLJ905	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M9040 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 9050 printer	HPLJ9050 ZHPLJ905	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP LaserJet 9050 mfp printer	HP9050 ZHP9050	ISO 8859-1 (Latin 1)	4.5B & higher
HP LaserJet M9050 mfp printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 9055 mfp printer	HP9055 ZHP9055	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 9065 mfp printer	HP9065 ZHP9065	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 9850 mfp printer	HP9850 ZHP9850	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro P1606dn	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P2035	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet P2055	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M4555 MFP	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 500 Color MFP M575 printer	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro 400 colorMFP M475	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro 400 color M451	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro 400 M401	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro 400 MFP M425	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet CM 4540 MFP Series	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro M1536dnf MFP	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP CM8050 Color MFP with Edgeline	ZHPC8060	ISO 8859-1 (Latin 1)	4.5 & higher
HP CM8060 Color MFP with Edgeline	ZHPC8060	ISO 8859-1 (Latin 1)	4.5 & higher
HP 2500C Professional Series Color	HP2500 ZHP2500	ISO 8859-1 (Latin 1)	4.X & higher
HP Business InkJet 2250	HP2250 ZHP2250	ISO 8859-1 (Latin 1)	4.5B & higher
HP Business InkJet 2300	HPBI23 ZHPBI23	ISO 8859-1 (Latin 1)	4.0A & higher

SAP Device Types for HP Printers

HP Business InkJet 2800	HP2800 ZHP2800	ISO 8859-1 (Latin 1)	4.0A & higher
HP LaserJet Enterprise 700 M712	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Enterprise 700 color MFP M775	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet 200 color MFP M276	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro 500 Color MFP M570	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet MFP M725	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP Officejet Pro 276dw Multifunction Printer series	ZHPOP276	ISO 8859-1 (Latin 1)	4.5A & higher
HP Officejet Pro 251dw Printer series	ZHPOP251	ISO 8859-1 (Latin 1)	4.5A & higher
HP OfficeJet Pro X451/551	ZHPOP451	ISO 8859-1 (Latin 1)	4.5A & higher
HP OfficeJet Pro X476/576	ZHPOP476	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet M806	ZHPLJ806	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet M855	ZHPLJ855	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet M750	ZHPLJ750	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet flow MFP M830	ZHPLJ830	ISO 8859-1 (Latin 1)	4.5A & higher

SAP Device Types for HP Printers

HP Color LaserJet flow MFP M880	ZHPLJ880	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro MFP M435nw	ZHPLJCM1	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro MFP M521	ZHPLJ521	ISO 8859-1 (Latin 1)	4.5A & higher
HP Laserjet Pro 400 Color MFP M476	ZHPLJ476	ISO 8859-1 (Latin 1)	4.5A & higher
HP LaserJet Pro M706n	ZHPLJ706	ISO 8859-1 (Latin 1)	4.5A & higher
HP Officejet Color X555	ZHPLJ555	ISO 8859-1 (Latin 1)	4.5A & higher
HP Officejet Color MFP X585	ZHPOJ585	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet M651	ZHPLJ651	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color LaserJet MFP M680	ZHPLJ680	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color MFP S970dn	ZHPLS970	ISO 8859-1 (Latin 1)	4.5A & higher
HP Color MFP S951dn	ZHPLS951	ISO 8859-1 (Latin 1)	4.5A & higher
HP MFP S956dn	ZHPLS956	ISO 8859-1 (Latin 1)	4.5A & higher
HP Business InkJet 3000	HP3000 ZHP3000	ISO 8859-1 (Latin 1)	4.5A & higher
HP OfficeJet 9130 AiO	HPOJ9130 ZHPOJ913	ISO 8859-1 (Latin 1)	4.0B & higher

<p>HP OfficeJet Pro 8000 Enterprise Printer</p>	<p>SAPWIN – requires Server-based printing via SAPSprint or Frontend Printing via SAPgui. Please refer the note mentioned under the heading “SAP printing support for OfficeJet Printers”</p>	<p>ISO 8859-1 (Latin 1)</p>	<p>4.5A & higher</p>
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ZHPLJCM1 is a common device type for HP LaserJet Color and Monochrome single and multiple function printers introducing in Fall 2006 and later. This device type supports the following features.

- Supported languages: ISO Latin 1
- PDL: PCL 5
- Duplex Printing: Yes
- Input Tray: 1, 2, 3, 4, 5
- Output Tray: 1, 2, 3, 4, 5
- Additional print options:
 - Input trays
 - Output trays
 - Double-sided Printing
 - Staple option
 - User password
- Status feedback with SNMP: Yes

ZI7HP4 is the device type for the HP Greek font for HP LaserJet printers.

ZHPUTF8F is the device type that supports the HP International Printing Solution (IPS) for Unicode for HP LaserJet printers.

Device Types with the “Z” Prefix

Generally, device types with the “Z” prefix are custom device types developed by customers or print vendors for specific purposes. In the case of the HP device types on the web site www.hp.com/go/sap/drivers, these device types are developed and fully tested in accordance with SAP development and testing guidelines. In most cases, they are the same device types available through SAP. HP provides the “Z” prefix versions of these device types as an optional way for customers to access the device types.

Custom Device Types

Customers can create their own custom device types by copying & editing an existing SAP device type using the Spool Administrator (SPAD). Customers can hardcode a default feature to a specific media type, which means every time the media type is selected when using this device type, it will print based on the new default. For example, if the printer initialization for Letter was set to the default input tray 4, every time letter was selected, it would print only from tray 4.

Customers can add a Print Control and embed it in each output file. In addition, they can add a custom media type to the device type, so the user can select, for example, LetterTray4 to pull Letter-size media from Tray 4

- All custom device types have a “Z” prefix.
- Device Type definitions can only be created in SAP
- Typically, only a System Admin will have authorization to create a Device Type
- SAP does not support modified Device Types

Note: HP does not currently provide any services to create custom device types for customers.

Check and Barcode Printing

For check or barcode printing from the SAP System with HP LaserJet printers, please contact the third party partner for the specific solution. These solutions may require a DIMM module such as a barcode or MICR DIMM or additional fonts or symbols such as E13B, CMC7, OCR-A and OCR-B.

For partners that are part of HP's Solutions Business Partners program (SBP), a list of SAP printing solutions can be found by searching on SAP in the Global Solutions Catalog: www.hp.com/go/gsc.

SAP also has SAP Notes related to several of these solutions:

- Note # 12305 - Barcode solutions for HP LaserJet Printers
- Note # 45643 - Barcode control sequences for jetmobile BarSIMM
- Note # 197177 - Printing 2-D barcodes with SAPscript (PDF417, UPS Maxicode, DataMatrix)
- Note # 94233 MICR printing

These solutions are not supported by HP. Contact the third party partner for all related support on these solutions.

Additional Device Types

HP256X -- The device type for all HP line printers in the HP256 series

HP2930 -- The device type for the HP 2930 line printer

HPDJ500 -- The device type for the HP DeskJet 500 InkJet printer

HPLJIIID -- The device type for the HP LaserJet IIIP, III, IIID and IIISi printers, as well as for the HP LaserJet 4 series printer

HPLJ_II -- The device type for the HP LaserJet II printer series

HP2300 -- The device type for the HP 2300 line printer series

HPLJ4 -- The device type for all printers in HP LaserJet 4 series (HP LaserJet 4/4m, 4Plus/4mPlus, 4V/4mV, 4si printer)

HPDJ660 -- The device type for the HP Color DeskJet 660C printer

HPDJ850 -- The device type for the HP Color DeskJet 850C printer

HPLJ5SI -- The device type for the HP LaserJet 5Si printer

HPLJ5 -- The device type for all HP LaserJet 5 series printers (HP LaserJet 5/5m, 5P/5MP, 5C printer) except for HP LaserJet 5Si printer

Note: HPLJ5 uses new 4.0A features (scalable fonts under PCL-5) and can only be used in SAP Release 4.0A and higher releases

I2HP4 -- The device type for Eastern Europe for all printers of the HP LaserJet 4 printer series (HP LaserJet 4/4m, 4Plus/4mPlus, 4V/4mV, 4Si printer). Uses the character set "ISO 8859/2" (Latin 2).

I9HP4 -- The device type for Turkey for all printers of the HP LaserJet 4 printer series (HP LaserJet 4/4m, 4Plus/4mPlus, 4V/4mV, 4Si printer). I9HP4 uses the character set "ISO 8859/9" (Latin 5).

I2HPPS -- The device type for certain HP LaserJet models with PostScript emulation (see Note 575916). I2HPPS supports the character set "ISO 8859/2" (Latin 2).

I2HPPS is compatible with all SAP System releases as of 4.0A.

I7HP4 -- The device type for HP LaserJet printers with the "Greek Font DIMM" (add-on module with Greek fonts). Information can be found under www.hp.com/go/sap/drivers. I7HP4 supports the character set ISO 8859/7 (Greek).

I7HP4 is compatible with all SAP System releases as of 4.6B.

I4HPPS -- PostScript device type for HP LaserJet printers for the ISO 8859-4 character set (Baltic), see SAP Note # 856781.

The device type is compatible with all SAP System releases as of 620.

POSTSCPT -- The SAP device type which is used for pure PostScript printers (See SAP Note # 8928)

POST2 -- New device type for PostScript-level-2 printers which can be used alternatively to POSTSCPT (See SAP Note # 8928)

The device type POST2 offers an improved output of ABAP print lists by using a special PostScript-L2 printer driver and can therefore only be used in SAP System releases as of 4.5A.

SAPWIN -- Generic device type for printers linked (or also fax devices) to PCs running under MS Windows 3.1, Windows 95, Windows NT, Windows XP, Windows Vista or Windows 7 by means of the SAP System program SAPLPD. Windows printer drivers are used and the character set is ISO 8859-1.

Note: As of Release 3.0E, you can use SAPWIN to:

- Print proportional fonts and lines/boxes in SAPscript

SAP Device Types for HP Printers

- Print black and white as well as color TIFF graphics (with the 32-bit SAPIpd on Windows 95, Windows NT, Windows XP, Windows Vista or Windows 7 only). See SAP Note # 39031.

SAPWIN5 -- The device type for printing Cyrillic characters (character set ISO 8859-5, for example Russian) with SAPIpd/Microsoft Windows. This device type works exclusively with the Russian Windows 95 or NT 4.0 (not with Windows 3.1). To use it, a 32 bit version of the SAPIpd with a number 4.00 or higher is required (See SAP Note # 8928).

Host Based Printers

HP PCL and postscript printer languages are not supported on host-based products. The HP Color LaserJet 1500, 2600n, 3600, 3500, and 3550 series products use host-based printing. There is no solution or upgrade to incorporate HP PCL or postscript into these products and no alternate print drivers are available. The HP Color LaserJet 1500, 2600n, 3600, 3500, and 3550 series products are only supported in Microsoft Windows and some limited Macintosh operating systems using the printing software that was developed for the product.

Host-based printing is a cost-efficient printing technology that enables printers to utilize the processing power and memory resources of the PC (or the Host). In comparison, PDL-based printers use the processor and memory resources of the printer.

How does host-based printing work

Host-based printing works by converting Windows GDI commands (graphics commands) generated by the application to the dot pattern to be created on the page. This dot pattern is then compressed and sent from the host PC to the printer, which stores the image of the page before printing. The data **MUST** be rasterized (converted into dots) when sent to the printer. This function is usually performed by the application itself.

In comparison, PDL-based printers require a more extensive formatter with higher RAM and ROM requirements, as well as a more powerful processor on board the printer.

When you print to a PDL-based printer, commands are sent from your computer in the form of text commands. This text contains information about what is on the page. The text is received, understood and translated by a PDL interpreter in your printer.

Benefits of Host-Based Printing

A host-based printer utilizes the host computer's processing power to convert the software application's page information into a raster format to be printed by the printer. Since newer computers process at much faster speeds than most printer processors, complex jobs can often print faster when utilizing a host-based printer driver. Most host-based printers utilize USB ports which typically print much faster than parallel ports.

Host-based printing requires a software print engine in the host operating system, and unlike a PDL (Printer Description Language) printer, cannot accept ASCII text direct from a computer. This means that the Host based printer will only work in the Windows and Macintosh environments that are specifically supported with the print engine written for that environment. Users of unsupported Windows and Macintosh environments, as well as users of Linux, UNIX, and OS/2 should consider a PDL printer like the HP Color LaserJet 3700 printer.

Limitations of Host-Based Printing

Host-based printers are excellent small workgroup printers suitable for Windows and limited Mac printing to include internet and typical office printing but NOT EPS file printing.

Since host-based printers, such as the HP Color LaserJet 2600 printer, do not have PCL5 on the formatter, you must use SAPWIN, which requires Server-based printing via SAPSprint or Frontend Printing via SAP GUI.

Printers with Limited PCL5 Fonts

The SAP device types for specific HP printers use PCL5 fonts in the printer for printing. The HP LaserJet P2015, 3050, 3052, 3055, 3390 or 3392 printer, and the HP Color LaserJet 2605, 2820 or 2840 printer only ships with a limited set of PCL5 fonts (courier and line printer). Instead of using a printer specific SAP device type, for Windows printing, use the SAPWIN device type, which requires Server-based printing via SAPSprint or Frontend Printing via SAP GUI. For non-Windows printing, use the POST2 device type.

SAP Printing support for OfficeJet Printers.

OfficeJet Printers supporting PCL3 and PDL Language can use SAPWIN device type, which is a generic device type for printers linked (or also fax devices) to PCs running under MS Windows 3.1, Windows 95, Windows NT, Windows XP, Windows Vista, Windows 7 Operating System by means of the SAP System program SAPLPD (See SAP Note # 8928). SAPWIN device type will work with Windows operating system and the character set used is ISO 8859-1.

Officejet Pro 8000 Enterprise Printer

HP OfficeJet Pro 8000 Enterprise printer supports PDL Language. Any OfficeJet printer which supports PDL language can use SAPWIN as standard Device Type for ISO Latin 1 character set.

Prerequisite [How to Configure SAPWIN device type]-:

1. Install the recommended Windows driver available for the OfficeJet printer
2. Go to transaction SPAD in SAP system
3. Update or Create new output device for the printer used.
4. Click on the change Icon if you are modifying the existing device type.
5. In the DeviceAttributes tab select the Device type as SAPWIN and Device Class as Standard Printer.
6. In the Access Method tab select the Host Spool Access method as G: Front End Printing with Control Tech
7. In the Access Method tab select the Host Printer as __DEFAULT [this will be the default printer configured in your windows host machine]

For printing with different character set, create an output device with the corresponding list of device types for each character set defined in the SAP system given below.

Character Set	Device Type
ISO1(Western European)	SAPWIN
ISO2(Eastern European)	I2SWIN
ISO4(Baltic)	I4SWIN
ISO5(Cyrillic)	SAPWIN5
ISO7(Greek)	I7SWIN
ISO8(Hebrew)	I8SWIN
ISO9(Turkey)	I9SWIN
Thai	THSAPWIN
Japanese	JPSAPWIN
Korean	KPSAPWIN
Simplified Chinese	CNSAPWIN
Arabic	ARSWIN

If customer wants to print using different language, please read the below link, which is the release note and make sure that all the prerequisites are installed properly, mainly the point No 5, which talks about installing the corresponding languages, if those are not installed by default with the printer. Please install the corresponding fonts for the required languages on the printer.

SAP Device Types for HP Printers

http://www.msu.edu/software/mswin/CC505Prntrs/ojp8000/OJP8000vA809_Corporate_12/readme_enu.htm

For printing with different languages create separate Output Devices and follow the prerequisites mentioned above, please see the example given below.

Language(Output Device)	Device Type
English (Device_Eng)	SAPWIN
German (Device_Ger)	SAPWIN
Turkish (Device_Tur)	I9SWIN
Chinese (Device_Chn)	CNSAPWIN

More information

For more information, go to www.hp.com/go/sap/drivers.

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