

What Device Type do I use?

What device type used in SAP is determined by the version of SAP and the solution being used.

SAPScript

The SAPScript method is commonly referred to as the Upload Method. This method utilizes either a Label Design Application (e.g.; Zebra Designer for MySAP Business Suite) or hand coding the ZPL (Zebra Programming Language) into an ITF file. The label design application enables the customer to easily place barcodes, text, RFID fields, images, and other various printing objects on the label without having to understand the ZPL formatting language. The ITF file contains the ZPL code with SAPScript wrapped around it. The ITF is then uploaded into SAP.

Smart Forms

Smart Forms is a GUI application that is native to SAP. Smart Forms allow the user to design a form inside of SAP and add barcodes, text, graphics, and other print related objects. While this application is not as WYSIWYG as a label design application, it handles the various printing elements in a means that is familiar to those who create forms on a regular basis.

Upload Method / SAPScript:

For SAP Release 4.6C and greater.

ZLB_ZEB.PRI, S9162.CPA (for Scalable fonts - IBM™ CP850)
ZEBRA.FOR (Sample Form)
ZLB_ZEBU.PRI (for Andale and Swiss 721 fonts - Unicode UTF-8)

Smart Forms:

For SAP BASIS Release 4.6C and greater.

IBM® Codepage 850 - CG Triumvirate Bold Condensed Font (Scalable)
Zlzeb6.pri All 600 dpi ZPL-II printers
Zlzeb3.pri All 300 dpi ZPL-II printers
Zlzeb2.pri All 203 dpi ZPL-II printers

Unicode™ UTF-8 – Swiss Scalable Fonts

Zlzebs6.pri All 600 dpi ZPL-II printers

Zlzebs3.pri All 300 dpi ZPL-II printers

Zlzebs2.pri All 203 dpi ZPL-II printers

Unicode™ UTF-8 - Andale Mono-spaced Scalable Fonts

Zlzebu6.pri All 600 dpi ZPL-II printers

Zlzebu3.pri All 300 dpi ZPL-II printers

Zlzebu2.pri All 203 dpi ZPL-II printers

NOTE: The device types listed above can be used in later versions of SAP while the device types below cannot. These device types are native to 4.6C and ship along with the installation package.

Smart Forms:

For SAP BASIS Release 6.20 and greater.

Before you can begin using Zebra printers with SAP Smart Forms, one of the following device types must be uploaded to mySAP Business Suite. Loading these device types is usually performed by a systems administrator. SAP Smart Forms support only the Zebra Programming Language (ZPL II). The device types listed below are designed to support label printing from Smart Forms. Printing other types of documents, e.g. SAPscript forms or InteractiveForms by Adobe (IFbA) is not supported with these device types.

SAP Smart Form Device Type Requirements

The following kernel patch levels and Support Packages are **required** for the support of device drivers.

SAP_BASIS Release 6.20:

Support Package SAPKB62064 + attached correction instructions or

Support Package SAPKB62065 + attached correction instructions

or Support Package SAPKB62066

Kernel 6.40 patch level 222

SAP_BASIS Release 6.40:

Support Package SAPKB64022 + attached correction instruction

or Support Package SAPKB64023

Kernel 6.40 patch level 222

SAP_BASIS Release 7.00:

Support Package SAPKB70014 + attached correction instruction
or Support Package SAPKB70016
Kernel 7.00 patch level 148

SAP_BASIS Release 7.01 and higher:
supported from the beginning

SAP_BASIS Release 7.10:
not supported in 7.10

SAP_BASIS Release 7.11 and higher:
supported from the beginning

IBM® Codepage 850 - CG Triumvirate Bold Condensed Scaleable Font

YZB200 All 203 dpi ZPL-II printers

YZB300 All 300 dpi ZPL-II printers

YZB600 All 600 dpi ZPL-II printers

The above device types are designed to work with the internal CG Triumvirate Scaleable font. In Smart Forms, the HELVE font is mapped to the CG Triumvirate font. Utilizing internal font's results in faster printing and less burden on the network since processing the font takes place on the printer.

Unicode™ UTF-8 – Swiss Scalable Fonts

YZB200U All 203 dpi ZPL-II printers

YZB300U All 300 dpi ZPL-II printers

YZB600U All 600 dpi ZPL-II printers

The above device types are primarily designed to work with Zebra's preloaded Swiss Scaleable Font (EMEA Only). Containing 936 characters, this font includes support for Baltic, Central European, Cyrillic, Greek, Turkish, Arabic, Hebrew and Western.

Unicode UTF-8 - Andale Monospaced Scaleable

YZB200U All 203 dpi ZPL-II printers

YZB300U All 300 dpi ZPL-II printers

YZB600U All 600 dpi ZPL-II printers

The above device types are primarily designed to work with Zebra's optional Andale Scaleable Font. This font contains most of characters needed for the Asia Pacific, Americas, Western/Central/Eastern Europe and the Middle-Eastern regions. This font is delivered on a 32mb Linear PCMCIA card or on a CD for storing on the printers E: flash memory. Four flavors of this font are available; each contain the same number of characters but are tailored to the Japanese, Korean, Simplified Chinese or Traditional Chinese markets.

NOTE: In order to print Unicode fonts with the new device types, the printer must have X.14 or greater firmware. The PCMCIA card requires that the PCMCIA option is installed on your printer. If downloading the font to the printer's memory is desired, the printer must have the 64Mb E: flash option installed since the Andale fonts are more than 20Mb in size. Printers not supporting the 64Mb or PCMCIA will not have enough space to accommodate the large Andale fonts.

The Latest device types can be downloaded from the following URL below:

<http://www.zebra.com/us/en/partners/alliance-partners/erp/sap-smart-forms/smart-form-device-types.html>