

What Device Type Do I Use?

What device type to use 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 UTILIZED either a Label Design Application (ZebraDesigner for mySAP software was a solution **but is no longer sold and supported**). The ITF file contains the ZPL code with SAPScript wrapped around it. The ITF is then uploaded into SAP. It is still possible to use a currently available ZebraDesigner software program to design labels and capture ZPL.

These device types indicate someone is using SAP Script

ZLB_ZEB – Provided by SAP (The device type is actually listed as LB_ZEB)

ZLB_ZEB2 – Provided by SAP (The device type is actually listed as LB_ZEB2)

ZLB_ZEBU – Provided by SAP (The device type is actually listed as LB_ZEBU and used the Zebra Andale & Zebra Swiss Font)

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 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.

The following Device Type for Smart Forms were developed by SAP but no longer maintained by SAP.

Zlzeb2.pri
Zlzeb3.pri
Zlzeb6.pri
Zlzebs2.pri
Zlzebs3.pri
Zlzebs6.pri
Zlzebu2.pri
Zlzebu3.pri
Zlzebu6.pri

SAP Smart Form Device Type Requirements

The following kernel patch levels and Support Packages are required for the support of the device drivers. Certain features of the device types become active only with the following releases and support package levels:

Additional print options: (see note 1049778)

SAP_BASIS 6.20 SP63 and higher
SAP_BASIS 6.40 SP21 and higher
SAP_BASIS 7.00 SP14 and higher
SAP_BASIS 7.10 standard

These device Types are developed and maintained by Zebra and are the recommended device types for use with SAP.

IBM® Codepage 850 - CG Triumvirate Bold Condensed Scalable 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 Scalable 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 Scalable 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 Scalable

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 Scalable 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. 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 will not have enough space to accommodate the large Andale fonts.

The Unicode fonts are available for either download (Swiss 721) or purchase (Andale) from Zebra.

The latest device types can be downloaded from the following URL:

<https://www.zebra.com/us/en/support-downloads/printer-software/sap-integration.html>

Release Notes specify changes and corrections made for the version 2.0 Zebra Device Type.

Installation

The latest device types require that the Zebra Device Driver (PDL Driver) object is imported on the SAP system. Installing the Device Driver and the Device Types is usually performed by a systems administrator. The PDL Device Driver is imported using the STMS (Transport Management System) transaction in SAP. More details on the STMS transaction can be found by referencing SAP [Note 1103422 – SAP Printer Vendor Program: Installing device types, etc.](#) The new Zebra Device Types can be imported into SAP once the Zebra Device Driver is loaded and both are required for the system to work correctly with ZPL printers.

The SAP Device Type Package downloads as 'zebra-sap-device-types.exe.' When the file is executed 4 files and two folders are inflated.

13760L-001.pdf

EULA for SAP Device Types.htm

Readme.htm


sapnote_0001103422.pdf

The folder \Zebra_SAP_Device_Types is created with the required .PRI files.

The folder \Zebra_ABAP_driver_YZB1_2020-12-18 with the required .PVD files.

SAP NOTE 1173046 is really just a list of supported Zebra Printers for the Zebra YZB Device Type.

All ZPL based Zebra printers are supported by the current Zebra YZB Device Type for SAP Smart Forms printing. For any current Zebra printers released after the 2.0 version of the Zebra Device Type, there is also a Generic version since the device type is not actually printer model specific. At any given time, it may not be up to date as new Zebra printer's release and the Device Type does not undergo frequent updates. It has as a full list of all of the printers we have ever supported. We do have a statement and sub section in the note about printers that are no longer supported by Zebra but SAP does NOT allow printers to be removed from the SAP Note. There is also a set of generic Devices for support of any ZPL Zebra printer. As shown in the screen shot below. You can use one of the generic if your newer Zebra printer is not listed.



The screenshot shows the SAP Note 1173046 interface. The title is "1173046 - Printer Vendor Wizard Note: Zebra". Below the title, there is a section titled "General Purpose Device Types." with a sub-heading "Printer Model" and "Device type". The table lists the following printer models and their corresponding device types:

| Printer Model | Device type |
|-------------------------|-------------|
| Zebra (200 dpi) | YZB200 |
| Zebra (300 dpi) | YZB300 |
| Zebra (600 dpi) | YZB600 |
| Zebra (200 dpi) Unicode | YZB200U |
| Zebra (300 dpi) Unicode | YZB300U |
| Zebra (600 dpi) Unicode | YZB600U |