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ZEBRA[®] Linux[®] Driver Specifications for ZXP Series 3[™] and ZXP Series 1[™] Card Printers



The Zebra ZXP Series 3 and ZXP Series 1 Linux driver enables high-quality card printing in the Linux software environment. Customers requiring a Linux driver can now enjoy a fully functional Common Unix Print System (CUPS) compatible print driver, which includes a core set of printer control functions that can be easily installed, tested and deployed for Linux-based enterprise card application deployments.

Highlighted Features

- Printer USB Plug-In-Play (PNP)
- Graphic UI-based installer and uninstaller support
- Silent mode installation and uninstallation for non-GUI based OS deployments
- Zebra card printer support for CUPS 1.4 or higher
- Network or full USB 2.0 printer support (2.0 only)
- 32-bit and 64-bit Linux OS
- Zebra printer error handling support
- Independent JAVA Card SDK

Linux Platform Distribution Support

- Zebra ZXP Series 1 and ZXP Series 3 printer driver for Red Hat (RHEL) Linux support:
 - Red Hat Enterprise Linux 6.5 32 bit
 - Red Hat Enterprise Linux 6.5 64 bit
- Zebra ZXP Series 1 and ZXP Series 3 printer driver for Ubuntu Linux support:
 - Ubuntu 12.04 (32 bit and 64 bit)
 - Ubuntu 13.04 and 13.10 (32 and 64 bit)
 - Ubuntu 14.04 (32 bit and 64 bit)



Supported Features

- Printer Properties Definition (PPD) based basic settings and configurations (CUPS PPD based UI)
- Zebra printer properties page
- YMCK front/K back ribbon combination supported
- Zebra Linux graphic user interface installer
- Card print orientation: portrait/landscape
- Select single-side or dual-side print
- Magnetic encoding functionality (default macro processing only)
- K (black) panel
- Full overlay varnish
- Number of copies
- CUPS print test card
- Printing mode

Supported Ribbon Media

	ZXP Series 3	ZXP Series 1
YMCKO	✓	✓
YMCKOK	✓	
KdO	✓	
KrO	✓	
Monochrome	✓	✓
K Resin	✓	
½ YMCKOKO*	✓	
½ YMCKO*	✓	
⅓ YMCKOKO*	✓	

* Contact your Zebra representative to determine Linux Driver media support and add custom feature capabilities.



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Other Features

	ZXP Series 3	ZXP Series 1
Magnetic Stripe Encoding Support	✓	✓
Card Feeder Control	✓	✓
CUPS Web Admin Support (Port 631)	✓	✓
Print Test Cards via CUPS (Port 631)	✓	✓
Standard Test Card Print	✓	✓
Printer Parameters Card Print	✓	✓
Firmware Support	✓	✓
PRN File Support	✓	✓
Save & Restore	✓	✓
Cleaning	✓	✓

Printer Features/Options Not Supported in ZXP Series 3 and ZXP Series 1 Linux Driver

- Smart card encoding (contact and contactless)
- Laminating printers option
- Network printer sharing and printer pooling
- Advanced printer security features (including data encryption and printer host authentication)
- Media (ribbon types) not currently listed
- Image control support
- Defined and undefined K panel printing



Driver Features Not Available in Linux

- Bi-directional printer properties GUI
- Device information page
- Zebra Linux printer 'About' option
- Media information page
- Print front image on back
- Printer cleaning commands
- Image control functionality
- Resume print job error handling
- Printer parameters card print
- Black panel optimization
- Job log

Supported Modules and File Paths Fused in the Linux CUPS Printer Driver

Modules	Path
CUPS Filter	/usr/lib/cups/filter/ rastertozxp3
CUPS USB Backend	/usr/lib/cups/backend/zxp3usb
CUPS Socket Backend	/usr/lib/cups/backend/zxp3socket
CUPS PPD	/usr/share/cups/model/ZebraZXPS<>Printer.ppd
Udev Zebra ZXPS3 PnP Binary	/lib/udev/ ZXPS3-USB-Printer-Installer
Udev Rules	/lib/udev/20-ZebraZXP3Series.rules
Udev Rules	/lib/udev/70-ZebraZXP3Series.rules
Udev Rules	/lib/udev/zebrazxp3.rules
Zebra Printer Driver Installation Folder	/usr/local/ZebraZXP3Driver
MIME Type	/usr/share/cups/mime/pstozxp3ps.convs
Error Handling Binary	/usr/bin/ ZXP3ErrorNotify



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