Manual Card Feed

A Manual Feed Slot is available for feeding single cards. The Input Hopper must be empty for single-card feeding to work properly.

Access the Card Setup Tab: Select Start > Printers and Faxes. Right click on the Zebra ZXP Series 8 Card Printer listing; and select Printing Preferences > Card Setup.

🖕 Zebra ZXP Series 8 USB Card Printer Printing Preferences 🛛 💽 🔀
Card Setup Encoding Black Panel (K) About
Card Info
Card type in use PVC
Printing options
Orientation Landscape Front Back
Print on both sides Yes ID GAAD
Rotate 180° None 🔽
Copies 1 📩
Print front image on back side Yes 💌 Test Print
Ribbon info
Ribbon type
YMCKK Overlay
Ribbon combination
YMCK Back / K Front
Laminator options
Laminate side None 💌 Laminate type Full Coverage 💌
Restore Defaults
OK Cancel Apply

- 2. In the Card Setup tab, select the *Single card feed slot* radio button (circled above).
- **3.** Click on the **Apply** button, and then click on the **OK** button.
- 4. Ensure that there are no cards in the Input Hopper.

5. Insert a single card into the slot in the correct orientation. Do not feed more than one card at a time.



Operator Control Panel (OCP)

The printer is equipped with an OCP Display and three OCP Buttons which give access to the printer menus. The menus can be accessed when the printer status shows READY.



- Press the MENU button, to access the Main Menu.
- Press the INFO button, to access and view the Printer Settings Menu.
- Press the CANCEL button, to cancel the current print job in the printer.

Messages

Your printer is equipped with an OCP Display to provide printer status information. The readout is controlled by three OCP Buttons directly below the OCP Display. The messages displayed fall into three categories: Operational, Warnings, and Errors.

Operational

Operational Messages are displayed during the Printer's normal operation.

MESSAGE	DESCRIPTION
WAIT INITIALIZING	Performing a self test on start up.
WARMING	Ready to accept a print job, roller heating.
READY	Ready and at temperature.
STANDBY	Printer is in "sleep" mode; i.e., power save mode.
PRINTING	Print job received, printing in process.
WARMING PRINT JOB WAITING	Print job received, warming rollers to temperature.
OFFLINE	Status toggled (offline/online) via the OCP Advanced Settings Menu.
WARNING	Indicates that additional OCP instructions need to be performed; e.g., PRINT RIBBON LOW, etc.
ALARM	Indicates error messages need to be cleared before normal operations can resume.
CANCELING	Cancel button was pressed, and the current operation is being terminated.
COOLING PRINT JOB WAITING	Print job received, cooling rollers to temperature.
MANUALLY INSERT CARD	Waiting for manual card feed (this function is set via the <i>Card Setup Tab</i> ; see page 60).

Warning Messages

Warnings alert the operator to action that should be taken; the printer will generally continue operation.

WARNING (Printer will still operate)	DESCRIPTION
PRINT RIBBON LOW	Indicates that the Print Ribbon is low; see <i>Loading a Print Ribbon</i> , Section 2.
TRANSFER FILM LOW	Indicates that the Transfer Film is low; see <i>Loading the Transfer Film</i> , Section 2.
CLEAN PRINTER SIDE	Indicates that the Side Card Path (X-Drive Rollers) needs cleaning; see <i>Cleaning the Rollers</i> , Section 6.
CLEAN PRINTER FRONT	Indicates that the Front Card Path (Y-Drive Rollers) needs cleaning; see <i>Cleaning the Rollers</i> , Section 6.
CLEAN PRINTER ROLLERS	Indicates that the Heated Roller Path (Heated Rollers) needs cleaning; see <i>Cleaning the Rollers</i> , Section 6.

Error Messages

Errors are displayed when a situation causes the printer to stop operating. Depending on the cause of the error message, restarting the printer or clearing the displayed error may return the printer to operational status; or the printer may require troubleshooting and repair.

Refer to Section 7, *Troubleshooting*, for a list of the error messages, possible causes, and possible solutions.

Printer Menu Information

Main Menu



- Press the **UP** button to move up the menu list.
- Press the DOWN button to move down the menu list.
- Press the **SELECT** button to select the item from the list.

Info Menu

The Info Menu allows the user to quickly view the operating settings and configuration of the printer.



- Press the **PREV** button to move up the menu list.
- Press the **NEXT** button to move down the menu list.
- Press the **EXIT** button to return to the Operating Mode Display

Print Test Cards Menu



- Press the **UP** button to move up the menu list.
- Press the **DOWN** button to move down the menu list.
- Press the **SELECT** button to select the item from the list.

Advanced Settings Menu



- Press the **UP** button to move up the menu list.
- Press the **DOWN** button to move down the menu list.
- Press the **SELECT** button to select the item from the list.

Ethernet Indicators -- Detail



Link/ActivityLink Speed

Link/Activity Indicator (Green)

Off	No link (disconnected)
On	Network link has been established
Blinking	Network activity has been detected

Link Speed Indicator (Orange)

Off	No link (disconnected)
1 Blink	The LED blinks once (one blink, pause, one blink, etc.) when a 10Base link has been established.
2 Blinks	The LED blinks twice (two blinks, pause, two blinks, etc.) when a 100Base link has been established.



Printer Settings and Adjustments



Introduction

This section describes settings and adjustments that can be made to your Windows Driver. This consists of two major topics:

Properties	52
Printing Preferences	59

Properties

To access Printer Properties, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing, then select *Properties*

🎍 Zebra ZXP Serie	es 8 USB Card Printer Properties 🛛 😨 🔯
General Sharing P	orts Advanced Security Device Information
Zebra:	ZXP Series 8 USB Card Printer
Location:	
Comment:	
Model: Zebra Z	XP Series 8 USB Card Printer
Color: Yes	Paper available:
Double-sided: Yes	
Staple: No	
Speed: 1 ppm	
Maximum resolutio	n: 300 dpi
	Printing Preferences) Print <u>I</u> est Page
	OK Cancel Apply

- **General Tab** Displays printer information of a general nature, includes selection for Printing Preferences and Print Test Page (i.e., the standard Windows test page).
- **Sharing Tab** Operating System (OS) feature where the printer can be shared with other clients on a network.
- Ports Tab OS feature displays available communication ports.
- Advanced Tab OS feature to select printer availability and spooling options.
- Security Tab OS feature where permissions to printers can be defined.
- **Device Information Tab** Allows user to make basic printer adjustments and access advanced printer controls.

General Tab

The General tab shows the printer model and lists the features of the printer.

To access the General tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing. Select *Properties* > *General*.

🌢 Zebra ZXP Series 8 US	8 Card Printer Properties 🛛 🛛 🛛
General Sharing Ports A	dvanced Security Device Information
Zebra ZXP Seri	es 8 USB Card Printer
Location:	
<u>C</u> omment:	
Model: Zebra ZXP Serie	s 8 USB Card Printer
Color: Yes	Paper available:
Double-sided: Yes	
Staple: No	
Speed: 1 ppm	
Maximum resolution: 300 dp	ji 🔛
Pģ	ting Preferences) Print <u>I</u> est Page

- Location Lets you specify where the printer is located.
- **Comment** Lets you specify general information about the printer, such as the type of print device and who is responsible for it. Once set, these fields can be displayed by applications.
- Model Specifies the name of the printer driver installed.
- Features Specifies whether various options are available on the printer.

The **Printing Preferences** button **t**akes you to Printing Preferences used to set selected configuration parameters; see *Printing Preferences* on page 59.

The Print Test Page button sends the standard Windows test page to the printer.

Printer Settings and Adjustments Properties

Sharing Tab

On the Sharing tab (Sharing Property Page), you can choose to share the printer over the network and install additional drivers to accommodate different operating systems.

To access the Sharing tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing. Select *Properties* > *Sharing*.

🚴 Zebra ZXP Series 8 USB Card Printer Properties	?×
General Sharing Ports Advanced Security Device Information	
You can share this printer with other users on your network. To enable sharing for this printer, click Share this printer.	
O Do not share this printer Share this printer	1999
S <u>h</u> are name:	
List in the directory	
If this printer is shared with users running different versions of Windows, you may want to install additional drivers, so that the users do not have to find the print driver when they connect to the shared printer.	
Additional Drivers	
OK Cancel	pply

Printer sharing tasks that you can perform include:

- To share a printer, select the *Share this printer* radio button; and specify a name for the shared resource. Click OK when you're finished.
- To change the shared name, simply enter a new name in the *Share name* field; and click OK.
- To quit sharing a printer, select the *Do not share this printer* radio button. Click OK when you're finished.

Ports Tab

Use the Ports tab to specify the computer port to which the printer is connected. This will have been established at the initial installation of the printer, and will not normally require attention.

To access the Ports tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series* 8 *Card Printer* listing. Select *Properties* > *Ports*.

臱 Zebra ZXP Series 8 USB Card Printer Pr	operties 🛛 🖓 🔀	
General Sharing Ports Advanced Security Device Information Zebra ZXP Series 8 USB Card Printer Print to the following port(s). Documents will print to the first free checked port.		
Port Description Printer FILE: Print to File ZPR Zebra ZXP Series8 ZXP Emul USB Virtual printer port fo Zebra P330i USB Virtual printer port fo Zebra P430i USB Virtual printer port fo Zebra P430i USB Virtual printer port fo Zebra P430i USB Virtual printer port fo Zebra ZXP S USB Virtual printer port fo Add Port Delete Port Enable bidirectional support Enable printer pooling	Card Printer US Card Printer USB Card Printer USB eries 8 USB Ca	
ОК	Cancel Apply	

An exception to this is if you wish to use *printer pooling*, the ability to distribute print jobs to multiple printers. To enable printer pooling, check the "Enable printer pooling" box, then check the additional ports boxes. Each port should have a single Zebra printer installed on it. All the pooled printers must be identical models with the same configuration (e.g., all with YMC front, K back).

Now, when you print to the "main printer" (that is, whichever printer you right-clicked in Printers and Faxes to get to this screen), this printer will get print jobs until it has buffered as many jobs as it can take. Remaining jobs will then "spill over" to other printers until all printers in the pool are busy.

Advanced Tab

The Advanced tab determines the spooling (queuing) of print jobs and determines how spooled jobs are handled relative to the most recent job.

To access the Advanced tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing. Select *Properties* > *Advanced*.

🚴 Zebra ZXP Series 8 USB Card Printer Properties 🛛 🔋 🔀
General Sharing Ports Advanced Security Device Information
Priority: 1
Dri <u>v</u> er: Zebra ZXP Series 8 USB Card Printer 💉 Ne <u>w</u> Driver
Spool print documents so program finishes printing faster Start printing after last page is spooled Start printing immediately Print <u>directly</u> to the printer
Hold mismatched documents Print spooled documents first Keep printed documents Enable advanced printing features
Printing Defaults Print Processor Separator Page
OK Cancel Apply

To enable spooling: Select the radio button labeled *Spool print documents so program finishes printing faster.*

- Select *Start printing after last page is spooled* if you want the entire document to be spooled before printing begins. This option ensures that the entire document is sent to the print queue before printing. If for some reason printing is canceled or not completed, the job will not be printed.
- Select *Start printing immediately* if you want printing to begin immediately when the print device is not already in use. This option is preferable when you want print jobs to be completed faster or when you want to ensure that the application returns control to users as soon as possible.

To disable spooling: Select the radio button labeled *Print directly to the printer* radio button.

Security Tab

This is the standard Windows security screen, showing user access to various printer control options. Both Print and Manage Printers *must* be checked for full functionality of the printer.

To access the Security tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing. Select *Properties* > *Security*.

🍓 Zebra ZXP Series 8 USB Card Printer F	Properties 🛛 🕜 🔀	
General Sharing Ports Advanced Security	Device Information	
Group or user names: Administrators (01LXPRBARSELOU\Admini:	strators)	
CREATOR OWNER Everyone		
Power Users (01LXPRBARSELOU\Power Users)		
	A <u>d</u> d <u>R</u> emove	
Permissions for Administrators	Allow Deny	
Print Marcas Brinter		
Manage Documents		
Special Permissions		
For special permissions or for advanced settings, click Advanced.	Advanced	
ОК	Cancel Apply	

The Security tab allows you to assign the actual permissions that apply to the print queue. You can apply permissions to both users and to groups. It is usually considered a better practice to only apply security to groups.

The Advanced Security Settings properties sheet allows you to assign a more comprehensive set of permissions than the basic Security tab found on the printer's properties sheet does.

Device Information Tab

The Device Information tab provides printer information, job condition, printer history, and security status. Access to Media Info and ZXP ToolBox is included.

To access the Device Settings tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing. Select *Properties* > *Device Information*.

🍓 Zebra ZXP Series 8 USB Ca	rd Printer Properties 🛛 🛛 🛛 🔀
General Sharing Ports Advan	ced Security Device Information
Device information Model: ZXP Series 0 Firmware version: 00.10.00 Driver version: 1.00.xx.0 Internal memory: 65536 KB	3 Serial number: 2106195969 MAC address: 12-34-56-78-9a-bc IP address: 0.0.0.0 External memory: 16384-KB
Jobs Job identifier: 0 Status: Ready No of jobs: 0	
Printer history Cards printed: 389 Panels printed: 206	Security Data security password: Disabled Host authentication: Disabled Passkey protection: Disabled
	Media Info ZXP ToolBox

- The Media Info button takes you to the Media Info screen which shows:
 - The color ribbon type installed and the number of color ribbon sets remaining
 - The transfer film type installed and transfer film panels remaining
- The **ZXP Toolbox** button takes you to the ZXP Toolbox which provides advanced configuration capabilities and tools to manage the operation of your printer; see Section 5 for details.

Note that the ZXP Toolbox is a separate application that works independently from the printer driver.

Printing Preferences

Encoding E	Sack Paries (K) About
Card Info	
Card source 💿 Ca	ard feeder 🛛 🔿 Single card feed slot
Card type in use	PVC 💌
Printing options	
Orientation	Landscape V Front Back
Print on both sides	Yes V ID GRAD
Rotate 180°	
Copies	
Drink frank image on	
Print from image on	Test Print
Ribbon info	
Ribbon type	
Pibbop combination	Overlay
VMCK Front (K B	ack V UV
Laminator options	
Laminate side	ie 💉 Laminate type Full Coverage 💉
alle	

To access the Printing Preferences, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences*.

- Card Setup Tab Allows user to adjust selected card parameters.
- Encoding Tab Allows the user to set various magnetic encoding options.
- Black Panel (K) Tab Displays available options for Black Extraction.
- About Tab Displays copyright and driver version information about the printer driver.

Printer Settings and Adjustments Printing Preferences

Card Setup Tab

Card Setup tab allows the user to adjust selected card parameters.

To access the Card Setup Tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences* > *Card Setup*.

💩 Zebra ZXP Series 8	USB Card Printer Printing Preferences 🛛 🕐 🔀
Card Setup Encoding B	lack Panel (K) About
Card Info	
Card source 💽 Ca	ard feeder OSingle card feed slot
Card type in use	PVC 🗸
Printing options	
Orientation	Landscape V Front Back
Print on both sides	Yes V ID GRAD
Rotate 180°	None
Copies	1 🗘
Print front image on	back side No 💌 Test Print
Ribbon info Ribbon type	
YMCKK	Overlay
Ribbon combination	
YMCK Front / K B	ack 🔽 UV
Laminator options	e V Laminate type Full Coverage V
Zebra	Restore Defaults
	OK Cancel Apply Help

• Card info:

- **Card source** allows the user to feed cards into the printer from the card feeder or via the single card feed slot.
- **Card type in use** allows the user to specify the card type in use. Based on your selection, the printer automatically adjusts various printer properties for optimum print quality.
- **Printing options** allows the user to select the card orientation, to print on both sides of the card, to rotate the card 180°, and to specify the number of copies to print. The **Test Print** button prints a test card.
- Ribbon info:
 - **Ribbon type** is the color ribbon installed in the printer. This is not user selectable.
 - **Ribbon combination** allows you to apply color or black, or both, to either side of the card.

The **Restore Defaults** button restores Card Setup default values.

Encoding Tab

The Encoding screen allows the user to set various magnetic and smart card encoding options.

To access the Encoding Tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences* > *Encoding*.

崣 Zebra ZXP Series 8 USB Card Printer Printing Preferences 🛛 ? 🔀
Card Setup Encoding Black Panel (K) About
Magnetic encoding Disable magnetic encoding Encode only Magnetic stripe read Magnetic encoder verification Coercivity: None (Set via card type from Card Setup tab.) Magnetic encoder type TSO
Smart card encoding
Disable smart card encoding Encoding side None Contact Ocontactless
Restore Defaults
OK Cancel Apply Help

Although these options are user-selectable, they are set automatically when the Card Type is selected in the *Card Setup Tab* on page 60.

The **Restore Defaults** button restores Encoding default values.



Note • For advanced settings, see Section 5, ZXP Series Toolbox.

Black Panel (K) Tab

The Black Panel (K) Tab allows for special handling of black.



Note • The Black Panel (K) Tab applies only to surfaces of the card on which both YMC (color) and K (black) are to be printed.

To access the Black Panel (K) Tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences* > *Black Panel (K)*.

d Setup Encoding Black Panel (K)	About
Front side black extraction	
Black text	O Disable black extraction
Black graphics	Print YMC black under K
Black monochrome bitmaps	Print all black data
	Advanced Settings
Back side black extraction	
Black text	 Disable black extraction
Black graphics	O Print YMC black under K
Black monochrome bitmaps	Print all black data
	Advanced Settings
Ser.	Restore Defaults

Overview

Printing equal amounts of Y, M, and C dyes, at maximum intensity, deliver a near-black image, but one that may not be machine readable. For example, a bar code, printed from YMC, will be visible to the eye but will not be detectable by most bar code readers.

The remedy for this is to extract the black; which means printing the same bar code using the K panel on top of the YMC bar code. You can also choose to print only in K, omitting YMC from that region. The K panel is not a dye. It is more of a resin containing carbon black, which is highly visible to infrared-type readers and renders a pure black image.

Black Extraction

When *Disable Black Extraction* is not selected (i.e., either *Print YMC black under K* or *Print all black data* is selected), Black Extraction is enabled.

With either *Print YMC black under K* or *Print all black data* selected, you can identify which elements are to be selected for black extraction: black text, black graphics, and/or black monochrome bitmaps.

The Restore Defaults button restores Black Panel default values.

Advanced Settings (Black Extraction)

The Advanced Settings tab allows you to manage Black Extraction.

To access the Advanced Settings Tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences* > *Black Panel* (K) > *Advanced Settings*.

The figure below shows settings for the front side of the card; settings for the back side of the card are identical.

Advanced Black Panel Option	s (Front)
Black extraction from color images Print black with K panel O Defined areas Undefined areas Full card	Black level Set limits on RGB values defined as black (0 to 5): R 0 0 G 0 0 B 0 0
Area manager Orientation Landscape Areas A	
6 О	Cancel Restore Defaults Help

- **Print black with K panel**: Specify the zones as either *Defined areas*, *Undefined areas*, or *Full card*.
- Black level: Set the limits (0 to 5) on the RGB values defined as black.
- Area manager: Note that this option is enabled when either the *Defined areas* or the *Undefined areas* is radio button is selected.

Select an Area radio button (1 to 6), and then "drag" the cursor diagonally across the card outline (circled above) to identify location of the Zone. All dimensions are referenced to the upper-left corner of the card outline.

The **Restore Defaults** button restores Advanced Settings default values.

About Tab

The About Tab shows the copyright and the driver version for the Zebra ZXP Series 8 Card Printer.

To access the About Tab, select *Start* > *Printers and Faxes*. Right click on the *Zebra ZXP Series 8 Card Printer* listing; and select *Printing Preferences* > *About*.



ZXP Series Toolbox



Introduction



Important • Use of the ZXP Series Toolbox is intended only for advanced users and system administrators.

The ZXP Series Toolbox provides advanced configuration capabilities and tools to manage the operation of your printer. Note that the ZXP Series Toolbox is a separate application that works independently from the printer driver.



ZXP Series Toolbox Access

To access the ZXP Series Toolbox from the printer driver, select *Start* > *Printers and Faxes*. Then right-click on the *Zebra ZXP Series 8 Card Printer* listing, and select *Properties* > *Device Information* > *ZXP ToolBox*.

💩 Zebra ZXP Series	: 8 USB Car	d Printer Prope	erties	? 🗙
General Sharing Po	rts Advance	ed Security Dev	ice Information	
Device information	3/00:0	0.11	2100105000	
Firmware version:		Serial number:	2106195969	whee
Driver version:	1.00.xx.0	IP address:	0.0.0.0	rbc
Internal memory:	65536 KB	External memory:	16384 KB	
Jobs Job identifier: 0 Status: Rea No of jobs: 0 Printer history Cards printed: 389 Panels printed: 206	ady	Security Data security Host authent Passkey prot	P password: Dis ication: Dis ection: Dis	abled abled abled
WZebro			×P ToolBox	
		ок с	ancel	Apply

The ZXP Series Toolbox can also be accessed via *Start > All Programs > Zebra ZXP Series 8 Card Printer.*

Printer Configuration

The Printer Configuration section provides information on the printer, media information, mechanical and power adjustments, motor and sensor information, a save and restore configuration capability, a print job log, image controls, and firmware downloads.

Printer Information

• Version details include Firmware version and Driver version.

ZXP Toolbox - Zebra ZXP Series	8 USB Card Printer	282		
Printer Configuration \$ Printer Information Media Information Motor and Sensor Information Save/Restore Job Log Image Control Firmware Download Print Test Cand Print Sample Card	Printer Information Version Details Firmware version Driver version Other Information Interface Magnetic encoding OCP language Laminator type Contact smartcard	00.10.00 1.00.74.0 USB ISO English V None None	Memory Information – RAM Flash Print system Ribbon type LCD contrast Contactless smartcar	65536 16384 Retransfer YMCKK 35 💓 rd None
Technology A Magnetic Encoding Smart Card Advanced Security A	Image Size Logical length Logical width	Ready 1024 648	Physical length Physical width	1012
Configure Security Security Roles Print Viewer Print PRN File	Print resolution	300	Gateway 0	.0.0.0
	Subnet mask	0.0.0.0	MAC address 1	2-34-56-78-9a-bc Pefaults Apply

- Memory information includes RAM and Flash sizes (KB).
- Other information includes interface, print system, magnetic encoding, ribbon type, laminator type, printer status, contact smartcard, and contactless smartcard. Also included are a user-selectable OCP Language option (English, French, Spanish, German, Brazilian Portuguese, and Italian) and an Printer Panel LCD contrast adjustment capability.
- Image size details include logical length, physical length, logical width, and physical width in pixels; and print resolution in pixels per inch.
- Network configuration information includes an Enable DHCP checkbox, IP address, Gateway, Subnet mask, and MAC address.

The **Restore Defaults** button restores default values.

The **Apply** button applies changed values.

Media Information

This screen displays ribbon and transfer film details. This data is automatically read and updated from the installed media in the printer.

• Ribbon details include type, Zebra part number, description, initial size (total image count), and images remaining.

XXP Toolbox - Zebra ZXP Series	8 USB Card Printe	er			
ZXP Toolbox		AY.	5441	R C	?
Printer Configuration *	Media Informa	tion			
Inner Information Media Information Motor and Sensor Information Save/Restore Job Log	Type Description Initial size	⁵ 101 ҮМСКК 510	Zebra part number Images remaining	800133-480 304	
 Image Control Firmware Download 	Transfer Film I Type	Details 104	Zebra part number	800133-600	
Print Test Card A Print Sample Card	Initial size	1250	images remaining	330	
Technology ♠ ● Magnetic Encoding ● Smart Card					
Advanced Security Configure Security Security Roles					
Print Viewer Print PRN File					

• Transfer film details include type, Zebra part number, description, initial size (total image count), and images remaining.

Motor and Sensor Information

This screen displays the current status of the printer and provides standard printer information and sensor data.

This information cannot be edited or changed by the user; however, this information may be useful for Zebra trained and certified personnel in diagnosing or evaluating the status of the printer.

• *Transfer Temperature* details include top single, top double, bottom double, top single offset, top double offset, bottom double offset.

🏶 ZXP Toolbox - Zebra ZXP Series 8	USB Card Printer				
ZXP Toolbox		282	44	11	🔍 C ?
Printer Configuration * Printer Information Media Information Motor and Sensor Information Save/Restore Job Log Image Control 	Motor and Sensor Inforr Transfer Temperature — Top single Top double Bottom double Top single offset	nation 185 °C 175 °C 165 °C 0 °C	Transfe Input s Output Input d Output	r Speeds ingle single ouble double	1.5 Inches/Sec 1.75 Inches/Sec 1.5 Inches/Sec 1.75 Inches/Sec
 Firmware Download 	Top double offset Bottom double offset	0°C 0°C	Transf	er type	dual
Print Test Card ● Print Sample Card 	Ribbon Take-up Motor- S0 33.3 RPM		MO	191.78 m	4/in-lb
Technology ☆ Magnetic Encoding Smart Card Smart Card Magnetic Encoding Smart Card The state of the sta	Ma -0.0012 mA-m Mb 0.09 mA-min2. Kb 0.34 mA-min2.	in/in-lb-rev /in-lb-rev2 /rev2	K0 Ka Vtol	97.99 mA -0.0077 m 0 mA/V	ıA-min/rev
Advanced Security Configure Security Security Roles	Card Type Card type in use	PVC			
Print Viewer Print PRN File				View	Sensor Information

- *Transfer Speeds* details include input single, output single, input double, output double, and transfer type.
- *Ribbon Take-up Motor* lists various electrical characteristics of the motor. These characteristics are fixed settings/values:

S0 = standard test speed

Vtol = damping effectiveness characterization

Ma, Mb, M0, Ka, Kb, and K0 = motor characterization coefficients

• *Card Type* displays the card type in use.

The View Sensor Information button displays the Sensor Information screen; see next page.

View Sensor Information

ensor ordres			
Film takeup encoder	unknown	Head cam blocked	Yes
Ribbon payout encoder	unknown	Film strip1 blocked	No
Door open	No	Film strip2 blocked	No
Card edge blocked	No	Card feeder blocked	Yes
Tri color state	yellow_panel	Tri color error	0
ensor Values			
Voltage 24	24.104 V	Ribbon BEMF	514
Voltage AC	110 V	Tri-color any	291
Voltage RAW	736 V	Tri-color red	174
Mag Track1	516	Tri-color green	233
Mag Track2	514	Tri-color blue	494
Mag Track3	516	Top transfer temp	175 °C
Print head temp	38 °C	Bottom transfer temp	166 °C
Mag head type	507		

This screen displays "live" Sensor States and Sensor Values.

Click on the **Close** button to close this screen.