

Release Notes

Entrust® XPS Card Printer Driver Version 8.8 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.8.

This document includes:

- Entrust® XPS Card Printer Driver Version 8.8 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.7.12 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.6 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.5 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.4 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.3 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.2 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.1 for Microsoft Windows
- Entrust® XPS Card Printer Driver Version 8.0 for Microsoft Windows

Version Information

Driver Version	8.8
Release Date	September 2026

Supported Printers

The following products are supported by Entrust and are compatible with the XPS Card Printer Driver.

- Entrust® Datacard® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® Datacard® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® Datacard® (formerly Artista) CR805, CR805 with Card Lamination Module, CR805 with Tactile Impresser Module

- Entrust® Datacard® CR803, CR803 with Card Lamination Module, CR803 with Tactile Impresser Module
- Entrust® Datacard® (formerly Sigma) DS1, DS2, DS2 with Card Lamination Module
- Entrust® Datacard® (formerly Sigma) DS3, DS3 with Card Lamination Module, DS3 with Tactile Impresser Module, DS3 with 3 input/3 output Multi-Hopper, and DS3 Direct-to-Card Printer with 600 DPI
- Entrust® EM1, EM2 Card Printers

Compatible Printers

The following products are no longer supported by Entrust but are compatible with the XPS Card Printer Driver.

- Entrust® Datacard® CE840™ Instant Issuance System
- Entrust® Datacard® CE870 Instant Issuance System
- Entrust® CL900™ Desktop Laser Personalization System

The information in this document applies to all supported and compatible printers. Printer-specific differences or exceptions are noted where necessary. Other Entrust printers may be compatible through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 11
- Windows 10 (32-bit and 64-bit)
 - The XPS Card Printer Driver does not support USB installations using Windows 10 operating systems prior to version 2004. Installing on versions prior to 2004 will fail silently without displaying errors.
- Windows Server 2022 (only supports network printers)

The Printer Driver can be installed on computers powered by x86 and/or x64 processors.

Windows 7 SP1, Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2, and Windows Server 2016 are not supported by this version of the Card Printer Driver. Driver version 8.4 is available for these Windows versions.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at \ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Czech, Polish, Romanian. The following languages were translated previously, but were not updated: Russian.
- Driver installation. The installation supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Polish. The following languages were translated previously, but were not updated: Russian.

Card Printer Driver SDK

The version 8.8 Card Printer Driver is compatible with versions 8.7 and 8.8 of the SDK.

New Features

- The printer driver supports USB Network and Ethernet printer connections. In this release, the printer driver now supports a direct (Printer Class Device) USB connection. After installing XPS Card Printer Driver version 8.8, you can change some or all of your USB Network printers to use non-network USB. The printer's settings determine what USB communication is used (USB Network or USB). If you change a printer's USB mode, Windows will recognize that and the printer driver will re-enumerate and re-add the printer. For Entrust® Datacard® DS series printers, USB communication requires firmware version 4.5.2. For more information, refer to the topics "Move USB Network Printers to USB" and also "Appendix G: USB Printer Landing Page" in the XPS Card Printer Driver User Guide (Part No. 527280-005). Using a direct USB connection is:
 - More Secure: No IP networking stack is required between the PC and printer.
 - Simple: The PC sees the printer as a USB printer device instead of communicating through a virtual network interface. This eliminates issues caused by networking, routing, firewalls, VPNs, or subnet changes.
- A **Download Log** button has been added to the Printer Status tab of the Printer Properties dialog box. Click this button to retrieve the printer activity log.
- You can now clear errors on a Kiosk mode printer automatically. This is designed to be used with error code 300 (fail to pick from kiosk output on main printer) and error 195 (fail to pick from kiosk output on embosser). For more information, refer to the "Disable Error Messages" topic of the XPS Card Printer Driver User Guide.
- The printer driver now acquires values such as printer type and ribbon type from the PrinterSettings.ini while printing to file. Prior to this release, the printer driver used default values. This feature is useful when examining the image that printer driver creates.
- The printer driver now uses resolutions reported by the firmware rather than hardcoded values when printing topcoat, fluorescent and luster.
- New strings were added to the international string files.

- The printer driver installer interface was updated to use revised Entrust branding and to reflect currently supported printers.

Resolved Issues

- Corrected an issue where configuring a "Print to File" port only offered ISO ID-1 as the paper size, preventing selection of ISO ID-1 Retransfer for retransfer printing workflows.
- Fixed a CrowdStrike endpoint detection alert.
- Several user-reported spooler crash issue were resolved.
- For retransfer printers, there was an offset difference between a sample card printed from the Card Printer Driver installer and a sample card printed from the Printer Status tab.
- There was a case where the "Apply additional layer of retransfer material" option on the Print Area tab was not disabled when "Block printing over this area" was selected.
- The Printer Status tab incorrectly displayed Monochrome Print Resolution as 300x300 for a DS3 printer.
- When installing the XPS Card Printer Driver, you can hold down the **Caps Lock** key and a Debug dialog box is displayed. There was a case where the install status of magnetic stripe fonts was incorrectly reported in this dialog box.
- The USB driver uninstall was not clearing the system registry and removing all files.
- During driver installation, and specifically during the Network Driver install, a Get IP Address button is displayed. Clicking this button multiple times caused the font size to decrease.
- When a DS printer configured with 600 DPI resolution was installed through either USB or Network, the Printer Properties dialog box > General tab > Features section incorrectly displayed "Maximum resolution: 300 dpi."
- When using the XPS Printer Driver and changing the printer port to "Print to File", the print job was processed and the output file was generated successfully. However, the print job remained in the Windows print queue instead of being automatically removed after completion.
- There was a case where after setting Ribbon Sequence to "CMYP-KPi / CMYKP-KPi: CMYKP (Front), CMYKPi (Back)" for a retransfer printer, the result was no primer layer on the front or back side.

Discontinued Support

- YMCK ribbon has been discontinued and support for YMCK ribbon has been removed from the printer driver.
- The printer driver no longer supports Windows Server 2019.

Known Issues and Restrictions

- Desktop ID software does not support the direct USB (non-network USB) connection.
- The silentinstall.cmd does not install the magnetic stripe font support files (MagstripeFonts and LegacyMagstripeFonts). If you need to install the magnetic stripe font support files, use the downloaded install file.
- Applications that use Microsoft WPF to print cannot create a printer pool using the built-in Microsoft pooling feature. Microsoft has acknowledged that this is a defect and has stated

that it will be fixed. However, no timeframe has been provided. Until then, use Frogmore Print Distributor to create a printer pool for WPF applications.

- Error messages sometimes do not display on the PC that sent the print job. Restart the PC to resolve the issue.
- 300x300 resolution is not supported when using UV Curing Ribbon. When using a UV Curing Ribbon, the default standard resolution will be 300x600 dpi.
- The Entrust DS3 Direct-to-Card Printer with 600 DPI does not support 600x300 panelized K or 600x300 monochrome printing. If 600x300 panelized K or 600x300 monochrome printing is selected, error message 100 is displayed.
- Error message 518 displays if printer does not have an RFID upgrade kit.
- The printer driver no longer supports IDWorks and the IDWorks plugin has been removed from the install.
- Sometimes printer driver upgrade fails and the printer displays Message 524: Printer driver requires a reinstall. User should uninstall all XPS drivers and reinstall them.
- Multiple USB printers install when powering up a DS printer during a USB driver installation. Upgrade the firmware version or connect the printer to the PC once the printer is fully powered on.
- If the printer is renamed or the IP address is changed, the Printer Properties must be re-opened after clicking the OK button to ensure the driver is updated correctly.
- Printers are sometimes left in Windows Printers & Scanners after the printer driver is uninstalled. In Windows Printers & Scanner, click the printer name and then click the **Remove** button.
- When switching printers between modes (USBNetwork and USBPrinter), the printer driver handles this migration by replacing the current printer with a new printer using the correct connection. If this transition is done multiple times in sequence, a loss of connectivity may occur. To resolve this issue, you may need to restart your computer or potentially uninstall and reinstall the driver.
- When you switch a printer's device type from USBNetwork to USBPrinter on the Printer Dashboard, the application displays "Settings are not saved." However, the printer is saved and, after a few seconds, the new PCD device is added. A new dashboard page launches with the correct localhost port.
- The SD/CD color mode is not a supported option for Entrust® Datacard® DS3 printers at 600 DPI.
- There is a case when using a CR805 printer with firmware version R4.13.1-7000v, changing the USB Device Type from USBNetwork to USBPrinters, or USBPrinters to USBNetwork, the configuration for the device is not immediately reflected in Printer Manager, Devices & Printers, or Printers & Scanners. The CR805 printer with firmware version R4.13.1-7000v requires a system reboot before the new configuration is recognized and displayed.
- When reinstalling the XPS Card Printer Driver, if that driver version already exists on the computer, and a printer is already configured, choosing the USB install option causes the driver to display a dialog box that states "A printer is already configured on this system. Do you want to use the existing printer?" If you click No, the installer will wait for you to attach a new USB printer. If you click Yes, the installer continues to the print a test card screen.
- Do not set default Print Preferences on the Printer Properties > Advanced > Printing Defaults dialog box. Changes made there are not recognized. Instead, set these Print Preferences by going through the Windows control panel, selecting the printer, and then selecting **Printing Preferences**.

- For XPS printer driver versions below 8.7, upgrading directly to version 8.8 is not recommended. Users should uninstall their current printer driver, and then install version 8.8. XPS printer driver version 8.7 supports upgrading directly to version 8.8.

Entrust® XPS Card Printer Driver Version 8.7.12 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.7.12.

Version Information

Driver Version	8.7.12
Release Date	June 2025

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust Artista® CR805, Artista® CR805 with Card Lamination Module, Artista® CR805 with Tactile Impresser Module
- Entrust Artista® CR803, Artista® CR803 with Card Lamination Module, Artista® CR803 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS2 with Card Lamination Module
- Entrust® Sigma DS3, DS3 with Card Lamination Module, DS3 with Tactile Impresser Module, DS3 with 3 input/3 output Multi-Hopper, and DS3 Direct-to-Card Printer with 600 DPI
- Entrust® EM1, EM2 Card Printers

The information in this document applies to all supported printers. Printer-specific differences or exceptions are noted, where necessary. Other Entrust printers may be supported through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 11
- Windows 10 (32-bit and 64-bit)
The XPS Card Printer Driver does not support USB installations using Windows 10 operating systems prior to version 2004. Installing on versions prior to 2004 will fail silently without displaying errors.
- Windows Server 2019
- Windows Server 2022

The Printer Driver can be installed on machines powered by x86 and/or x64 processors.

Windows 7 SP1, Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2, and Windows Server 2016 are not supported by this version of the Card Printer Driver. Driver version 8.4 is available for these Windows versions.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at `\ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html`

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Czech, Polish, Romanian. The following languages were translated previously, but were not updated: Russian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Polish. The following languages were translated previously, but were not updated: Russian.

Card Printer Driver SDK

- Use the latest version of SDK with the version 8.7.12 Card Printer Driver.

New Features

- Added support for Sigma DS3 Direct-to-Card Printer with 600 DPI printers, allowing new print resolution options in the Print Mode tab.

- Added support for configurable JobTimeout.INI files to set Smart Card print job timeout durations in seconds.

Improvements and Resolved Issues

- Fixed an issue where the ST-KT: STT-K Split setting for simplex printing was not working.
- Fixed an issue where Sigma USB printers sometimes paused with a “BUSY” message on the LCD, requiring a printer and PC restart.
- Fixed an issue where the Driver version number was not correctly printing on cards when ‘Print Magstripe Test Card’ was selected from the Printer Status tab.
- Fix an issue where the Driver did not update the error string correctly in Printer Status XML on international OS.
- Fixed an issue where the Driver did not apply magstripe blocking correctly for J-stripe.
- Fixed an issue where GT-KT ribbons would not work with the GTT-K Split Setting.
- Fixed an issue with driver versions back to 8.6 that prevented a VALCam device from starting.

Entrust® XPS Card Printer Driver Version 8.6 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.6.

Version Information

Driver Version	8.6
Release Date	September 2024

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust Artista® CR805, Artista® CR805 with Card Lamination Module, Artista® CR805 with Tactile Impresser Module
- Entrust Artista® CR803, Artista® CR803 with Card Lamination Module, Artista® CR803 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS2 with Card Lamination Module
- Entrust® Sigma DS3, DS3 with Card Lamination Module, DS3 with Tactile Impresser Module, and DS3 with 3 input/3 output Multi-Hopper.
- Entrust® EM1, EM2 Card Printers

The information in this document applies to all supported printers. Printer-specific differences or exceptions are noted, where necessary. Other Entrust printers may be supported through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 11
- Windows 10 (32-bit and 64-bit)
The XPS Card Printer Driver does not support USB installations using Windows 10 operating systems prior to version 2004. Installing on versions prior to 2004 will fail silently without displaying errors.
- Windows Server 2019
- Windows Server 2022

The Printer Driver can be installed on machines powered by x86 and/or x64 processors.

Windows 7 SP1, Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2, and Windows Server 2016 are not supported by this version of the Card Printer Driver. Driver version 8.4 is available for these Windows versions.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at `\ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html`

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Czech, Polish, Romanian. The following languages were translated previously, but were not updated: Russian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Polish. The following languages were translated previously, but were not updated: Russian. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the latest version of SDK with the version 8.6 Card Printer Driver.

New Features

- Added support for 3 input/3 output Multi-Hopper.
- Added support for full card static UV/Luster images and print data sent to Sigma DS3 printers.

- Added split ribbon configuration for YMCKF-KT and YMCKL-KT ribbons.
- Added support for Satin In™ ribbon.
- Added support for DNP Primerless Interceptor (CMYK-Ki) ribbon splits for Artista CR825 printers.
- Added support for ymckT split ribbon options for Sigma printers.
- Added "Apply topcoat to only text and graphics" option for ST-KT split ribbon options.
- Added support for "Wake" and "Sleep" commands for Artista printers.

Improvements and Resolved Issues

- Fixed a security vulnerability issue where files in the C:\ProgramData\Datacard folder could be modified. Refer to [Security Bulletin E24-004](#) at www.entrust.com for more details.
- Fixed an issue where repeatedly pressing the "Ask Printer for Update" button under Hopper Status led to a memory leak, allowing the printer spooler memory to grow.
- Fixed an issue where the driver occasionally displayed error 505 on a Japanese Windows 11 operating systems.
- Fixed an issue where print and Smart Card jobs were getting stuck in the print spooler.
- Fixed an issue where the driver uninstall where files were not deleted.
- Fixed an issue where the Microsoft Word Print dialog box was not displaying the option to print on both sides.
- Fixed an issue where the magstripe was too wide and creating white space on the back side of the card when using a DTC printer.
- The "Card Stock" field is no longer available under the "Hopper Status" tab for all printers.

Entrust® XPS Card Printer Driver Version 8.5 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.5.

Version Information

Driver Version	8.5
Release Date	June 2023

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust Artista® CR805, Artista® CR805 with Card Lamination Module, Artista® CR805 with Tactile Impresser Module
- Entrust Artista® CR803, Artista® CR803 with Card Lamination Module, Artista® CR803 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS2 with Card Lamination Module
- Entrust® Sigma DS3, DS3 with Card Lamination Module, DS3 with Tactile Impresser Module
- Entrust® EM1, EM2 Card Printers

The information in this document applies to all supported printers. Printer-specific differences or exceptions are noted, where necessary. Other Entrust printers may be supported through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 11
- Windows 10 (32-bit and 64-bit)
The XPS Card Printer Driver does not support USB installations using Windows 10 operating systems prior to version 2004. Installing on versions prior to 2004 will fail silently without displaying errors.
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

Windows 7 SP1, Windows 8.1, Windows Server 2008 R2, Windows Server 2012 R2, and Windows Server 2016 are not supported by this version of the Card Printer Driver. Driver version 8.4 is available for these Windows versions.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at `\ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html`

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Czech, Polish, Romanian. The following languages were translated previously, but were not updated: Russian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Japanese, Korean, Simplified Chinese, Arabic, Italian, Traditional Chinese, Polish. The following languages were translated previously, but were not updated: Russian. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the latest version of SDK with the version 8.5 Card Printer Driver.

New Features

- Support added for Sigma Printers for split ribbon YMCKF-KT and YMCKL-KT.
- Support added for printers with Wi-Fi connection.
- Support added to eject card in Front Output Tray for Sigma printers without an embosser. Use updated driver SDK to use the feature.
- Support added for embossing on Sigma printers with Light Curing Module (LCM).
- Support added for Smart Card SCardControl with HID OMNIKEY encoder.

Improvements and Resolved Issues

- Resolved issue where YMCKT: YMC Front side + KT back side split ribbon used two panels to print a card.
- Resolved issue that required elevated privileges to start Printer Dashboard from desktop shortcut or Windows Start menu.
- Resolved issue where driver did not display error messages on Windows 11 and Windows 10 32 bit standard user.

- Resolved issue where driver uninstall does not remove all Entrust USB devices from device manager and are shown as Unknown Device.
- Resolved issue where driver was not applying topcoat on the front side when using YMCKF-KT split ribbon for SD and CD printers.
- Resolved issues with USB communication disconnects, delays, and uninstall.
- Resolved issue where print job is stuck in printer queue.
- Resolved issue where job is stuck in busy state and fails to print.
- Resolved issue where interactive jobs do not send data to printer.
- Resolved issue where printing stopped because user canceled a job using printer LCD.
- Resolved issue where DNP CMYK-Ki ribbon on CR805 printer fails with error E100-0700001 when user disables LegacyIFIAApplicationSupport setting on the printer dashboard.

Entrust® XPS Card Printer Driver Version 8.4 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.4.

Version Information

Driver Version	8.4
Release Date	June 2022

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust Artista® CR805, Artista® CR805 with Card Lamination Module, Artista® CR805 with Tactile Impresser Module
- Entrust Artista® CR803, Artista® CR803 with Card Lamination Module, Artista® CR803 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS2 with Card Lamination Module
- Entrust® Sigma DS3, DS3 with Card Lamination Module, DS3 with Tactile Impresser Module
- Entrust® EM1, EM2 Card Printers

The information in this document applies to all supported printers. Printer-specific differences or exceptions are noted, where necessary. Other Entrust printers may be supported through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 11
- Windows 10 (32-bit and 64-bit)
- Windows 8.1 (32-bit and 64-bit)
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2 (64-bit)

Windows 7 SP1 and Windows Server 2008 R2 are not supported, but installation is allowed.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at `\ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html`

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, French Canadian, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Czech, Polish, Romanian.
- Driver installation. The installation supports the following languages. English, German, French, French Canadian, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Polish. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the latest version of SDK with the version 8.4 Card Printer Driver.

New Features

- Administration section added allow change to language settings.
- Support added allowing KT, ST-KT, GT-KT, and ST ribbons to add topcoat application over only text and graphics.
- Support added to allow Split ribbon to be used on Sigma printers.
- Support added for Windows 11.
- Support added for upcoming Light Curing Module (LCM).

- Add support for WTT cassette ribbon.

Improvements and Resolved Issues

- Image with RGB values of 217 not using luster panel.
- USB driver upgrade error on Windows 10.
- Fixed error 100 notification for all printers causing rewrite mode to not work.
- Fixed where print management showed incorrect driver version.

Entrust® XPS Card Printer Driver Version 8.3 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.3.

Version Information

Driver Version	8.3
Release Date	January 2022

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust® CR805™, CR805 with Card Lamination Module, CR805 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS3, DS3 with CLM, DS3 with TIM
- Entrust® EM1, EM2 Card Printers

The information in this document applies to all supported printers. Printer-specific differences or exceptions are noted, where necessary. Other Entrust printers may be supported through the use of an RFID upgrade kit.

Supported Microsoft Windows Operating Systems

- Windows 10 (32-bit and 64-bit)
- Windows 8.1 (32-bit and 64-bit)
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2 (64-bit)

Windows 7 SP1 and Windows Server 2008 R2 are not supported, but installation is allowed.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at \ProgramData\Datacard\XPS_Card_Printer\XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, French Canadian, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Czech, Polish, Romanian.
- Driver installation. The installation supports the following languages. English, German, French, French Canadian, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Polish. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the version 8.2 SDK with the version 8.3 Card Printer Driver.

New Features

- Added backward compatibility of K-panel with SD/CD printers.
- Added WTT ribbon with topcoat application over text and graphics.
- Added rear Picked Card in Driver Card Counts.
- Added an increase in the DHCP lease time from 7 days to 90 days and sends gratuitous ARP once per second in order to reduce USB connection drops.
- Added STT Printing with ST Ribbon.
- Added support for Receptor ribbon.
- Added support for ribbon sequence.
- Added support for CMYK + InTM and CMYKK + InTM ribbon types, and support for pigment primerless retransfer ribbons.
- Added support for rear indent module (RIM) for Sigma printer.

Entrust® XPS Card Printer Driver Version 8.2 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.2.

Version Information

Driver Version	8.2
Release Date	July 2021

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust® CR805™, CR805 with Card Lamination Module, CR805 with Tactile Impresser Module
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS3, DS3 with CLM, DS3 with TIM Direct to Card Printers, DS4K, DS4-ES1K
- Entrust® EM1, EM2 Direct to Card Printers

Supported Microsoft Windows Operating Systems

- Windows 10 (32-bit and 64-bit)
- Windows 8.1 (32-bit and 64-bit)
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2 (64-bit)

Windows 7 SP1 and Windows Server 2008 R2 are not supported, but installation is allowed.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

An attribution table can be found at \ProgramData\Datacard\XPS_Card_Printer\
XPS_Card_Printer_Driver_Open_Source_Attribution_Table.html

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Czech, Polish, Romanian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Polish. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the version 8.2 SDK with the version 8.2 Card Printer Driver.

New Features

- Added Kiosk support for Sigma DS4K and DS4-ES1K printers.
- Added support for Sigma DS2 laminator.
- Added sample bitmaps for 300x600 and 300x1200 for k-panel data masking.

Entrust® XPS Card Printer Driver Version 8.1 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.1.

Version Information

Driver Version	8.1.006
Release Date	April 2021

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust® CR805™, CR805 with CLM, CR805 with TIM Retransfer Card Printer
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS3, DS3 with CLM, DS3 with TIM Direct to Card Printers
- Entrust® EM1, EM2 Direct to Card Printers

Supported Microsoft Windows Operating Systems

- Windows 10 (32-bit and 64-bit)
- Windows 8.1 (32-bit and 64-bit)
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2 (64-bit)

Windows 7 SP1 and Windows Server 2008 R2 are not supported, but installation is allowed.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Czech, Polish, Romanian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Polish. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the version 8.0.013 SDK with the version 8.1 Card Printer Driver.

New Features

- Added support for new ribbon types:
 - Silver Matte Ribbon
 - YMCKT_PETG
 - CMYKKPo
 - YMCKT Cassette
 - White ISEGA Cassette
 - GT-KT Cassette
 - ST-KT Cassette
 - KTT Cassette
 - YMCKT-KT Cassette
- Added color mode for CR805 and Sigma printers.
- Added support for emboss for Sigma printer.
- Update to Sigma region codes.
- Added support for multi-hopper status for Sigma and Entrust CD Series printers.
- An attribution table has been added to the driver, and can be found at C:
\\ProgramData\\Datacard\\XPS_Card_Printer\\XPS_Card_Printer_Driver_Open_Source_Attribution
_Table.html

Entrust® XPS Card Printer Driver Version 8.0 for Microsoft Windows

This document summarizes updates for the XPS Card Printer Driver version 8.0.

Version Information

Driver Version	8.0.016
Release Date	September 2020

Supported Printers

- Entrust® SD Series: SD160™, SD260™, SD260L™, SD360™, SD460™ Card Printers
- Entrust® CD Series: CD800™, CD800 with CLM laminator, CD820™ Card Printers
- Entrust® CE840™ Instant Issuance System
- Entrust® CR805™ Retransfer Card Printer
- Entrust® CL900™ Desktop Laser Personalization System
- Entrust® Sigma DS1, DS2, DS3 Direct to Card Printers
- Entrust® EM1, EM2 Direct to Card Printers

Supported Microsoft Windows Operating Systems

- Windows 10 (32-bit and 64-bit)
- Windows 8.1 (32-bit and 64-bit)
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2 (64-bit)

Windows 7 SP1 and Windows Server 2008 R2 are not supported, but installation is allowed.

Windows XP, Windows Vista, and Windows Server 2003 R2 are not supported by this version of the Card Printer Driver. Driver versions 6.x are available for these Windows versions.

Supported Languages

- Driver user interface. The user interface supports the following languages: English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Czech, Polish, Romanian.
- Driver installation. The installation supports the following languages. English, German, French, Spanish (Latin America), Portuguese (Brazil), Russian, Japanese, Korean, Simplified Chinese, Arabic. The following languages were translated previously, but were not updated: Italian, Traditional Chinese, Polish. (Languages not listed display in English during installation.)

Card Printer Driver SDK

- Use the version 7.4 SDK with the version 8.0 Card Printer Driver.

New Features

- Added support for Sigma DS1, DS2, and DS3 Direct to Card printers.
- Updated the install to place a shortcut on the computer desktop that allows you to launch the Printer Dashboard for Sigma printers, or Printer Manager for retransfer card printers or SD, CD, or CE direct-to-card printers.
- Updated the install to display a browser window at the end of the Card Printer Driver installation. The browser allows you to launch the Printer Dashboard for Sigma printers, or Printer Manager for retransfer card printers or SD, CD, or CE direct-to-card printers.
- Added support for the Entrust Tactile Impression Module.
- Added support for K-panel masking on the back side of cards.
- Added support for new ribbon types:
 - Color print ribbons with a luster panel (YMCKL-KT and YMCKLT), which adds color-shifting iridescent printing to enhance card appearance.
 - Primerless ribbons (ribbons without a primer [P] panel, CMYK and CMYK-K), used by retransfer card printers.

Improvements and Resolved Issues

- Updated printer messages 110, 202, 207, and 282 to add a link that allows the user to order supplies.
- Improved performance when using print trapping.
- The Windows 10 rasterization process described in the Card Printer Driver User's Guide was changed after the Guide was completed. The RasterizationConverter.INI file has replaced the Rasterization.INI file.

When the Card Printer Driver is installed on a Windows 10 computer, the driver always uses the Windows 10 rasterizer. The RasterizationConverter.INI file uses the Windows 10 rasterizer to improve monochrome font rendering at all resolutions supported by the printer so that all characters print correctly.

The RasterizationConverter.INI file has the following format:

```
[Rasterization]
1BppDitherThreshold=220
```

where:

1BppDitherThreshold—Specifies how dark to print the black text. Valid values are 0–255. The higher the value, the darker the black text prints.

The RasterizationConverter.INI file does not need to be in C:\ProgramData\Datacard\XPS Card Printer to use the Windows 10 rasterizer. However, the Card Printer Driver uses a default value of 220 for the 1BppDitherThreshold setting. If you require a different value for the setting, do the following:

- a. Copy the RasterizationConverter.INI file to C:\ProgramData\Datacard\XPS Card Printer.
- b. Edit The RasterizationConverter.INI file and change the 1BppDitherThreshold value.
- c. Save the file with your changes.