

Commercial Remote Deposit Help

Digital Check Network Scanners – CX35, TS250

Overview

The new CX35 single-feed and T250 multi-feed scanners provide flexible connectivity options:

The CX35 is available in two model types: the **CX35** model which uses traditional USB connectivity, and the **CX35 RNDIS** model which features optional switching between the default RNDIS network connectivity and traditional USB connectivity.

The **TS250** models allow optional switching between the default traditional USB connectivity and RNDIS network connectivity using [SimpleSwitch](#).

The focus of this document will be on connecting the CX35 RNDIS and TS250 models using the RNDIS connectivity mode to a managed enterprise network or thin client environment.

RNDIS is an industry-standard device protocol, commonly referred to as “Ethernet over USB”, which is native to Windows and Mac operating systems. This enables USB connectivity with driverless installation minimizing the footprint to only that of the Digital Check SSL Root Certificate, which requires installation to secure browser connections. Ethernet and Wi-Fi connectivity are not available options for the Digital Check scanners at this time.

Note: This document assumes that each Digital Check scanner has the following minimum firmware version. If your scanner has an earlier firmware version, you will need to update the firmware for the scanner to be compatible with RDC software. Download the latest firmware version [here](#).

	CX35 RNDIS	TS250
Minimum firmware version	24.07.0.5	24.07.0.5

Browser and Operating Systems

Although the Digital Check scanners are agnostic to operating system and browser versions as a result of the RNDIS protocol, Old National’s vendor has only certified the scanners’ operation with these versions:

Windows:

Processors – Intel/AMD
Windows Versions – 10, 11
Browsers – Chrome, Edge, Firefox

Mac:

Processors – Intel & Apple M-series
macOS Versions – Sequoia 13, 14, 15
Browsers – Safari

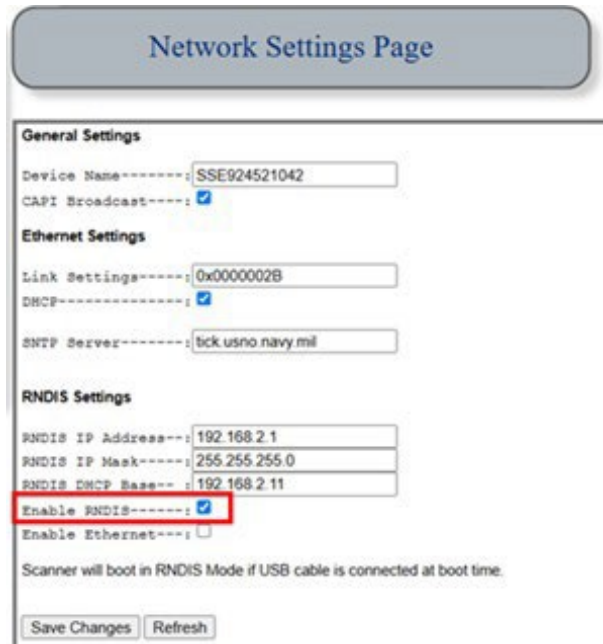
Validating Scanner Connectivity Settings

Steps	Corresponding Images
Confirm the scanner is configured to RNDIS mode (the color of the SmartButton LED is purple after it powers up, prior to entering a steady blue blinking state). If the LED is blue directly after power up, the scanner is in standard USB mode and needs to be changed to RNDIS mode. Refer to Changing Connectivity Modes Using SimpleSwitch.	
Access the scanner's Administration Page to check that it is properly configured. Open your preferred browser and enter the fixed USB port IP address into the URL bar https://192.168.2.1 (secure). OR If the browser displays a message that that it cannot connect to the scanner, you should "Proceed Anyway" to access the Administration Page http://192.168.2.1 (unsecure). If you still cannot access the Administration Page, contact TM Service for further assistance.	

From the Administration Home Page, go to **Network Settings Page** and ensure “Enable RNDIS” is checked.

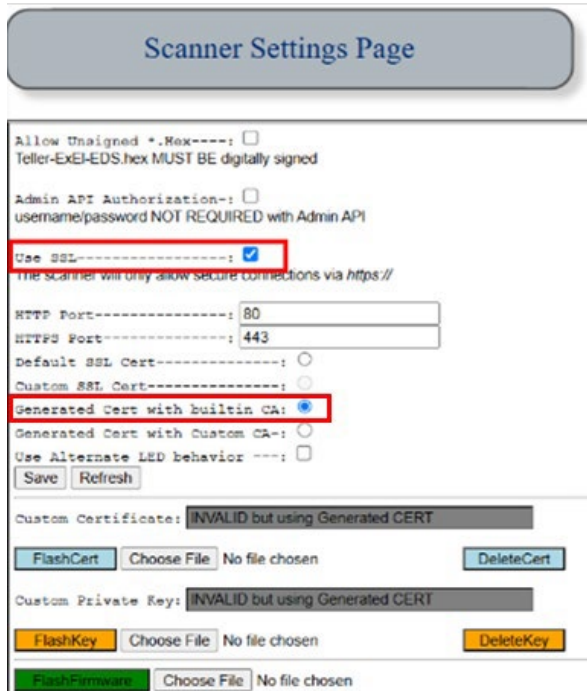
- If it is not checked, click the box to “Enable RNDIS”
- click the “Save” button. A dialog box will pop-up stating, “Reboot is necessary to take effect”
- click the “Close Message” button,

from the **Home Page**, click **Reboot Scanner** to complete the changes.



From the Administration Home Page, go to **Scanner Setting Page** and ensure the following settings are selected:

- “**Use SSL**”. If it is not checked, click the box to select it
- “**Generated Cert with builtin CA**”, if not selected, click the radio button to select it
- click the “**Save**” button to store the changes. A pop-up will display, “Reboot is necessary to take effect”
- click the “Close Message” button
- from the **Home Page**, click **Reboot Scanner** to complete the changes.



Changing Connectivity Modes using SimpleSwitch

For CX35 RNDIS model:

The factory default mode for the CX35 RNDIS model is RNDIS, indicated by the scanner’s purple Smart Button LED during the power up sequence. If the LED is blue immediately after powering on the scanner, the scanner is configured to standard USB mode. To change the scanner between RNDIS and traditional USB mode, follow the steps below:

1. Power off the CX35 RNDIS scanner
2. Power the scanner back on, connecting only the power cable. Do not connect the USB cable
3. Press on hold the Smart Button for 10 seconds. The scanner will produce two audible chirp sounds. Release the button after the second chirp

- a. After the second chirp, the light will flash either purple or blue before the scanner powers off. A purple light indicates that the scanner has changed to RNDIS mode. A blue light indicates a change to USB mode
4. Connect the USB cable and turn off the scanner
5. Power on the scanner.

Once the scanner powers on, the LED will momentarily flash purple, indicating that it is now in RNDIS mode.

For TS250 models:

The factory default mode for the TS250 is USB which is indicated by the scanner's blue Smart Button LED.

To change the scanner between RNDIS and traditional USB mode, follow the steps below:

1. Power off the TS250 scanner
2. Power the scanner back on, connecting only the power cable. Do not connect the USB cable
3. Press on hold the Smart Button for 10 seconds. The scanner will produce two audible chirp sounds. Release the button after the second chirp
 - a. After the second chirp, the light will flash either purple or blue before the scanner powers off. A purple light indicates that the scanner has changed to RNDIS mode. A blue light indicates a change to USB mode
4. Connect the USB cable and turn off the scanner
5. Power on the scanner.

Once the scanner powers on, the LED will momentarily flash purple, indicating that it is now in RNDIS mode.

Resources

If you have questions or need assistance with Old National Commercial Remote Deposit, please contact Treasury Management Service:

Hours: Monday-Friday 8am-6pm ET / 7am-5pm CT

Phone: 800-844-1720

Email: TMService@oldnational.com