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BUREAU OF THE FISCAL SERVICE

OTC Kiosk Tablet System Requirements & Reference Guide

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Contents

System and Configuration Requirements

This document provides system and configuration requirements for the use of OTC Kiosk Tablet for Check Capture and Card Processing.

OTC Kiosk Tablet General Requirements

This section details the system and configuration requirements necessary to use all OTC Kiosk functionality as well as the OTC Kiosk Tablet Specs. Additional requirements are necessary for OTC Kiosk Tablet Check Capture and Card Processing. Refer to the "OTC Kiosk Check Capture Requirements" and the "OTC Kiosk Tablet Card Processing" section for more information.

Hardware Requirements

The following hardware is necessary to operate the OTC Kiosk Tablet:

- **Tablet:** Microsoft - Surface Pro
- **Stand:** Viozon Surface Pro
- **Printers:**
  - Any printer that supports 8.5"x 11" paper or an 80mm 3.125in printer (optional) for receipt printing
- **Keyboard:** Cherry J86-4400 Vandal-Proof Keyboard
- **Check Scanner:** (For Check Processing Only): RDM EC9100i
- **Card Reader:** (For Card Processing Only): Verifone MX925 Terminal
- **Hub:** Ethernet/USB
- **Additional hardware:** Surge protector with six outlets

Operating System

The following Operating System is supported by the OTC Kiosk Tablet:

- Windows 10 (OTC Kiosk supports the 64-bit version of the operating system)
  - Note: Windows 10 comes pre-installed on the Microsoft Surface Pro Tablet

System Requirements

The following are requirements necessary to operate the OTC Kiosk:

- **Web Browser:** Google Chrome (Chrome) (OTC Kiosk supports 64-bit)
  - **Note:** Chrome must be in "Kiosk mode"
  - **Zoom:** Must be set at 100% zoom.

- **Internet Options Security Settings**:
  - Device Encryption: It is highly advised to turn on device encryption using Windows operating system BitLocker. For details instructions, click or copy and paste the following link: https://support.microsoft.com/en-us/help/4028713/windows-10-turn-on-device-encryption
- **Ports:** Router/Firewall Administrators must ensure and verify that outbound ACL (Access Control List) has complete https access, on port 443.
- **Workstation Memory:** 2 GB physical memory is required; 4 GB is recommended.
- **Free Disk Space:** 128 GB of free disk space is required.
- **Window Resolution:** The recommended minimum resolution for the OTC Kiosk Tablet is 2736x1824.

Other Requirements

- **Windows Profile:** Must have a Windows Profile to access the online system.
- **OLB Credentials:** Kiosk Operator must have OLB Credentials to access the online system.
- **OTCnet Credentials:** Kiosk Operator must have OTCnet Credentials to access the online system.
- **Email Address:** Kiosk Operator must have access to a unique email address to change initial OTCnet passwords and access the online system.

OTC Kiosk Tablet Specs

- Tablet - Core i5 1035G4 / 1.1 GHz - Win 10 Pro - 8 GB RAM - 128 GB SSD $972.00 $972.00 - 12.3" touchscreen 2736 x 1824 - Iris Plus Graphics - Bluetooth, Wi-Fi - platinum - commercial

OTCnet Local Bridge (OLB) System Requirements

OLB Prerequisites

- Add the OTCnet URL (i.e., *.otcnet.fms.treas.gov and *.otcnet.for.fiscal.treasury.gov as a site in the Local Intranet Zone. Please ensure other OTCnet specific websites, such as www.otcnet.fms.treas.gov or qai.otcnet.fms.treas.gov are not included.

Installing the OLB

Unless your Agency requires OTCnet to use an external JRE, it is recommended to use the default configuration, which includes a built-in JRE with the OTCnet Offline/OLB applications. We recommend using the built-in JRE as agency IT teams may need to modify the location of the JRE in the startup property files for the OLB or OTCnet Offline application when the external JRE is updated. With the built-in JRE, Agency IT teams will not need to modify the startup property files for the OLB or OTCnet Offline applications.

OTC Kiosk Tablet Check Processing Requirements

This section outlines additional requirements necessary to perform the OTC Kiosk Check Processing/check scanning. These requirements are only necessary if OTCnet is used for check processing/check scanning.

Additional System Requirements

The following system requirements are necessary for using OTC Kiosk Tablet Check Processing. These requirements must be performed by a Windows administrator (a user who is logged onto the workstation as a workstation administrator):

- **Scanner Drivers (installation file):** Scanner driver and Firmware (provided in an installation file) must be installed on the workstation. Instructions for obtaining and installing the file will be provided in a separate document. Further information is provided below in the Technical Reference Guide.

Check Capture Hardware/Scanner Requirements

The following hardware requirements are necessary for using the OTC Kiosk Check Processing:

- Access to a printer from the workstation where you will be using the OTC Kiosk Tablet for Check Processing.
- The compatible check scanner connected to the workstation with an available USB 2.0 port.
- The following table lists the hardware that is compatible with the OTC Kiosk Tablet. The table also indicates which version of the driver and Firmware is required for each combination of hardware and operating system.

Check Processing Scanner Requirements					
Scanner Model	Operating System	Firmware	OLB Compatibility	Microsoft Visual C++ Redistributable Package*	Microsoft .NET Framework
RDM EC9100i	Windows 10	4.3.0	2.4.0	Automatically installed with the firmware	4.5.2 or newer

*The Microsoft Visual C++ Redistributable Package is automatically installed when downloading and installing firmware version 4.3.0.

OTC Kiosk Tablet Card Processing Requirements

This section outlines additional requirements necessary to perform the OTC Kiosk Card Processing. These requirements are only necessary if OTCnet is used for Card Processing. Additional system and configuration requirements are necessary to utilize OTCnet Card Processing, which is available for users accepting credit, debit, and gift card pay types.

Card Processing Hardware Requirements

The following hardware requirements are necessary for using the OTC Kiosk Tablet Card Processing:

- Access to a printer from the workstation where you will be using the OTC Kiosk Tablet for Check Processing (This printer can be the same printer used for Check Processing)
- The compatible card reader (Verifone MX 925 terminal)
- The following table lists the Card Processing hardware that is compatible with the OTC Kiosk Tablet:

Card Processing Requirements	
Operating System	Windows 10
Browser	Chrome
Firmware	N/A (firmware is not needed for Card Processing)
Card Processing Terminal Supported	Verifone MX925 Terminal
Receipt Printer	Any printer that supports 8.5"x 11" paper or 80mm 3.125in printer for receipt printing (Optional)
OLB Version	*2.4.0
OLB External JRE Supported (optional)	JRE 11 64bit

*OLB version 2.4.0 was introduced in Release 3.5. We highly recommend installing the latest OLB version to ensure the latest security updates are included.

Additional System Requirements for Verifone Devices

The following system requirements are necessary to use OTCnet Card Processing.

Note: the port setting information below is the latest information obtained from Verifone but is subject to change. Agencies should confirm with Verifone regarding the production port settings for their MX925 device before deploying in production.

- **Port Setting for TruRating on MX Devices:**
  - URL: https://service-v2xx.trurating.com/api/servicemessage
  - IP Address: N/A
  - Port: 443
- **Port Setting for Dynamic Currency Conversion on MX Devices:**
  - URL: https://dhsus.fexcodccapps.com
  - IP Address: 98.129.19.224
  - Port: N/A

Additional System Requirements for 80 Millimeter (3.125 Inch) Receipt Printer Devices

Additional drivers may need to be installed for 80mm (3.125in) receipt printer devices. Please refer to the vendor of your selected printer to determine additional driver information.

OTC Kiosk Tablet Bandwidth Requirements

This section provides the minimum internet connectivity recommendations for setting up and using the OTC Kiosk Tablet.

Bandwidth
- A 1.2 MBPS connection is recommended to download the OTC Kiosk Scanner Firmware
- A 512 KBPS connection is recommended to use the OTC Kiosk Online application

Technical Reference Guide

This section provides further information to your Agency System Administrator on the system and configuration requirements needed for the online use of the OTC Kiosk Tablet. **Check Scanning and Check Processing requirements are only necessary if the OTC Kiosk Tablet is used for Check Processing/Check Scanning.** Your agency's OTCnet Point of Contact (POC) has the Deployment Specialist's contact information, should you require assistance.

OTC Kiosk General Requirements
- **Entrust Root Certificate:** The following two certificates must be installed in the certificate store on your workstation. These certificates are normally installed by default with the operating system. If they do not exist or have been removed, you will need to have your agency install/re-install the certificates:
    - [Entrust Certification Authority - L1K](#) – install in "Intermediate Certification Authorities" certificate store on workstation
    - [Entrust Root Certification Authority - G2](#) – install in "Trusted Root Certification Authorities" certificate store on workstation

OTC Kiosk Lockdown
- Lockdown of the kiosk tablet is required for the OTC Kiosk Tablet to ensure the protection of the tablet device and so that customers are not able to deviate from the OTCnet Kiosk application within the tablet.
- It is recommended to use SiteKiosk for Windows as the lockdown application, which can be purchased here: https://www.provisio.com/web/us/products/windows-kiosk-software-sitekiosk.

Check Capture
- **Scanner Drivers (installation file):** Scanner driver and Firmware (provided in an installation file) must be installed on the workstation. Instructions for obtaining and installing the file can be found in the OTCnet Printable Job-Aids, Module 6.3:
    - [Download Firmware](#)
    - [Install Firmware](#)

For More Information
To learn more, email us at FiscalService.OTCDeployment@citi.com, or call 703-377-5586.

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