OTCnet Connection Guide for Card Processing

Verifone MX925 Point-of-Sale (POS) Terminal

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INTRODUCTION

Overview

In its latest commitment to improving the government’s financial management system, The Bureau of the Fiscal Service (Fiscal Service) Over-the-Counter Division now offers an Integrated Solution for Card Processing (Card Processing) within OTCnet to agencies who want to collect credit and debit card payments as part of their collections portfolios. The OTCnet Integrated Solution is a credit, debit, and Visa/Mastercard gift card payment method that incorporates the current Card Acquiring Service (CAS) process. With the addition of the Integrated Solution, OTCnet will be the only one-stop-shop payment option for agencies over-the-counter collections needs, seamlessly offering Cash, Check, and Card processing without needing to access multiple applications.

To process in-person card payments, Fiscal Service will support one terminal, the Verifone MX925 (MX925). The MX925 is on the forefront of card transaction technology, offering customers the ability to swipe, insert, or tap their card to make a payment. Bringing this technology to agencies will enable users to process a customer’s payment securely and quickly, minimizing lines at the counter and wait time in agency locations.

About the Guide

Fiscal Service has designed the following connection guide to help you and your agency complete equipment set-up of the MX925, enabling it to process debit and credit card transactions. Specifically, the connection guide provides step-by-step instruction on how to assemble, power up, and connect the MX925 to OTCnet, see Figure 1 below.

Figure 1. Verifone MX925 Terminal
PROVIDED EQUIPMENT

Each participating agency will receive the following equipment once purchased to set-up card processing with the Verifone MX925 terminal. Refer to Table 1 below.

Table 1. Key Equipment for Verifone MX925 Terminal

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</th>
<th>Key Functionalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card Processing Terminal</td>
<td>Verifone MX925 Terminal</td>
<td>Enables card processing activities</td>
</tr>
<tr>
<td>Stylus</td>
<td>Stylus</td>
<td>Handheld tool used to input demands on the Verifone terminal screen by touch, such as selecting buttons and providing a signature.</td>
</tr>
<tr>
<td>I/O (Input/Output) Module</td>
<td>Verifone MX925 I/O Input/Output Block Module</td>
<td>Powers the Verifone MX925 terminal and provides connectivity to your OTCnet workstation.</td>
</tr>
<tr>
<td>Power Cord</td>
<td>Verifone MX925 Terminal Power Cord</td>
<td>Provides electrical power connectivity for the Verifone MX925 terminal.</td>
</tr>
</tbody>
</table>
### Key Equipment for the Verifone MX925 Terminal

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<thead>
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</table>
| Ethernet USB Host and Purple Multiport Ethernet Cable | Verifone MX925 Terminal Ethernet to USB Cable             | The Purple Cable is used to connect the Verifone MX925 terminal to Ethernet host types and/or RS485 host types. It can also be used to:  
- Attach an audio line-output device (such as headphones/speakers),  
- Attach a USB device via RJ45 non-standard USB connection (such as a thumb drive for loading applications, images, custom files to the terminal),  
- Attach up to two extra Ethernet devices (ETHER Port 2 and 3) via the additional RJ45 Ethernet ports, and up to 2 serial devices via the two RJ45 com ports located on the back side of the block connector. |

### ASSEMBLY AND SET-UP

To successfully connect and assemble all equipment, complete the following key steps to set-up the Verifone MX925 terminal.

1. Unpack the contents of the Verifone package.
2. Place the Verifone MX925 terminal on a hard, flat surface.

### Connecting the Power Adapter to the Verifone MX925 Terminal

The Verifone MX925 terminal will serve as the interface for Card Processing, enabling Card Operators to process customers’ credit and debit card payments in OTCnet. The steps for connecting the power adapter to the Verifone MX925 terminal are listed and shown below:

1. Unpack the power cord from the package and the I/O (input/output) block module from the package.
2. Insert the yellow-tipped side of the power adapter into the rear of the I/O (input/output) block module. See Figure 2.
3. Plug the other end of the power adapter into a standard wall outlet or surge protector. A grounded wall outlet is not required.

**Connecting the Verifone MX925 Terminal to the Internet**

The MX925 terminal requires an internet connection in order to process credit and debit card transactions. The OTCnet Team recommends using a wired connection; the connection steps are outlined below:

1. Connect a category 5 (CAT5) or greater to the leftmost ethernet port on the backplate of the I/O (input/output) block within the MX925 terminal. See **Figure 3** below:

2. Plug the other end of the ethernet cord into an ethernet wall jack or internet router. **NOTE:** If connecting to an internet router, ensure the cable is connected into the WAN port.

3. If the I/O block is not already inserted, insert the I/O (input/output) block into the back of the Verifone MX925 terminal. See **Figure 4** below.

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1 We recommend contacting your agency Network Administrator and/or IT Administration to ensure your network settings are enabled to allow network connection to the MX925 terminal.
NOTE: Please allow for approximately five minutes for the Verifone MX925 terminal to boot up before proceeding to the next steps.

After establishing an internet connection, it is time to configure the terminal.

**Configuring the Verifone MX925 Terminal**

Once your Verifone MX925 terminal is powered up and connected, you will be prompted to complete the following steps before you are able to process transactions.

1. Request Verifone push the SCA (*Strong Customer Authentication*) Configuration file to the Verifone MX925 terminal. Please allow a few moments for this to download and process.

   **NOTE:** The Merchant Identification Number (MID) and Terminal Identification ID (TID) need to be setup in CAS/Worldpay prior to sending this request to Verifone.

2. Complete on-screen set-up steps of the Verifone MX925 terminal:
   a. Enter your **Merchant Identification Number (MID)** provided by Verifone to your agency’s point of contact via email. When prompted, re-enter the MID.
   b. Enter your **Terminal Identification ID (TID)** provided by Verifone to your agency’s point of contact via email.
   c. Enter your **LANEID** (same code as the TID).

   **NOTE:** If your agency already has the Verifone MX925 terminal, you will need to:
   1. Request a terminal reset from Verifone.
   2. Submit a new CAS application by visiting the CAS webpage on the Fiscal Service website.

      Once your CAS application has been approved with a new **Merchant Identification Number (MID)**, you may continue with the steps below:
Terminal Initialization

NOTE: You will need to work with your Network Administrator for the following steps. Please review before setup and obtain the required information.

1. Once your Verifone terminal has booted up, the **Configure Network Settings** screen will appear.

   A. The terminal will prompt to choose from **DHCP**, **DHCP Always**, and **Static**. Agencies are strongly recommended to select **Static** for security purposes. See **Figure 5** below. **NOTE:** If your agency chooses to configure with DHCP, please skip steps B – F.

   ![Configure Network Settings screen](image)

   Figure 5. Configure Network Settings screen

   B. Enter your IP address in the **Enter IP Address** text box, click enter on the pin pad. See **Figure 6** below.

   ![Enter IP Address screen](image)

   Figure 6. Enter IP Address screen
C. Enter your subnet number in the **Enter Subnet** text box (provided by your Network Administrator), click enter on the pin pad. See Figure 7.

D. Enter the Gateway number (provided by your Network Administrator) in the **Enter Gateway** text box, click enter on the pin pad. See Figure 8 below.

G. Enter the DNS 1 code (provided by your Network Administrator) in the **Enter DNS 1** text box, click enter on the pin pad, see Figure 9 below.
H. Next, the application will prompt for the DNS 2 code. Enter the DNS 2 code (provided by your Network Administrator) in the ENTER DNS 2 text box, click enter on the pin pad. This may take a few minutes to process.

I. Following these steps, the terminal will present the **Network Information** screen which will only appear for approximately 5 seconds. It is important to make note of this IP address which will be referenced later in the set-up process. See **Figure 10** below.

J. Next, the terminal will present the **Please Check the Box to Redo and Preamble Step**. No action will need to be taken and the screen will disappear after a few seconds. See **Figure 11**.
**NOTE:** The MID and TID will be assigned after submission of the Card Acquiring Service (CAS) Application (CASA). This step is completed as part of the Onboarding Guide.

1. Enter the **Merchant Identification Number (MID), Terminal Identification Number (TID), and LANEID:**
   
   A. First, the terminal will display the **Enter MID** screen. Enter the MID and press the green button, see **Figure 12** below. The MID is unique to your agency location and will be an eight-digit code.

   **Figure 12. Enter MID screen**

   B. The terminal will then automatically begin **Storing Merchant Settings.** See **Figure 13** below.
C. Re-enter the MID in the **Re-Enter MID** text box then press the green button. See **Figure 14** below.

D. Enter the TID in the **Enter Terminal ID (TID)** text box, then press the green button. The **TID** is a unique ID for the terminal within your agency location. See **Figure 15** below.
E. Enter the LANEID in the **Enter the LANEID** text box, then press the green button. This code is the same as the TID. See **Figure 16** below.

F. The terminal automatically stores the merchant settings, see **Figure 17**, and configuration network, see **Figure 18** below.
G. The terminal then automatically begins **Processing Payment Engine Initialization**. See Figure 19 below.
H. If this is the initial setup, the **Prompt for Dummy Sale** screen will display, see **Figure 20** below. This step confirms the device is functioning correctly and is connected to the PAYware Connect Gateway (PWC) and VeriShield Protect (VSP) servers.

   i. Press **CONTINUE** to prompt for card swipe. Upon successful card swipe, Point will process a sale transaction with PWC. On successful sale, Point will then request PWC to void the dummy transaction.

   ![Figure 19. Processing Payment Engine Initialization screen](image)

I. If the test transaction is unsuccessful, the terminal will display the **Retry Prompt** screen see **Figure 21** below. Press **YES** to try again, or **NO** to retry from the **Configure Network Settings** screen. See **Figure 5** above.

   ![Figure 20. Prompt for Dummy Sale screen](image)
2. **On the MX925 terminal:** Enter a transaction amount. When the screen below is displayed, see Figure 22 below. You are ready for a card transaction.

3. Swipe any test card to complete the initialization transaction. After swiping, the System and Network Information screen and the three screens below will appear in sequence, see Figure 23, Figure 24, Figure 25, and Figure 26 below.
Figure 23. System and Network Information screen

Figure 24. Welcome screen

Figure 25. Thank You screen
Registering the Verifone MX925 Terminal to OTCnet

**NOTE:** The latest OLB, version 2.0, must be installed in the workstation for Card Processing to function. Please ensure your agency Card Processing workstations have OLB version 2.0 installed. For instructions, please visit [https://www.fiscal.treasury.gov/otcnet/local-bridge-information-resources.html](https://www.fiscal.treasury.gov/otcnet/local-bridge-information-resources.html).

1. **On the OTCnet application:** Login as a Card Administrator and select **Administration – Manage Card Processing Terminal Configuration – Modify.** After following these steps, you will be prompted to **Enter Card Terminal IP Address.** See **Figure 27** below.

![Figure 27. OTCnet Enter Card Terminal IP Address screen](image)

2. Enter the Card Terminal IP, this is the same IP address from the Network Configuration screen, click **Register.** OTCnet will then display **Getting Pairing PIN.** See **Figure 28.**
3. OTCnet will then generate the pairing PIN as shown in Figure 29 below.

4. **On the Verifone MX925 terminal**: Enter the 8-digit pairing PIN provided by the OTCnet Application. See Figure 30 below.

5. **On the OTCnet application**: OTCnet will display the **Comparing Merchant IDs**. See Figure 31 below.
6. The OTCnet application displays the **Registration Successful!** Message. See Figure 32 below.

7. The OTCnet application then displays the **Connection Successful!** Message. See Figure 33 below.

8. **On the Verifone MX925 terminal:** The Welcome, Have a nice day, and Thank you for shopping with us screens will display as shown in Figure 24-Figure 26.

The Verifone MX925 terminal is now registered successfully and may be used to process payments through OTCnet!
User Roles

With the addition of the Integrated Solution for Card Processing to OTCnet, your agency must assign a Card Administrator and a Card Operator role to operate card processing features.

The **Card Administrator** has the ability to:

- Manage endpoints for card processing
- Set-up and view terminal configuration
- View, modify, delete, and create card processing User Defined Fields (UDFs)
- Access to OTCnet user and hierarchy information
- Download OTCnet Local Bridge (OLB)
- Create and import OTCnet Local Bridge (OLB) credentials.

The **Card Operator** has the ability to:

- Process card payments and refunds
- Print receipts
- Query and void transactions
- Reboot and check terminal connection status
- Create and import OTCnet Local Bridge (OLB) credentials.

For more information on user roles and to access other related card processing training materials, please visit [https://www.fiscal.treasury.gov/otcnet/training.html](https://www.fiscal.treasury.gov/otcnet/training.html) for further details.

**ADDITIONAL SUPPORT**

Please contact OTCnet Customer Service for 24/7 support at 1-866-945-7920 option 4 or [FiscalService.OTCDeployment@citi.com](mailto:FiscalService.OTCDeployment@citi.com) for questions about card processing or the Verifone MX925 terminal.