



CSG Forte Device Handler: Web Integration Guide

Revised 4/14/2021

Revision History

| Version | Date | Changes |
|---------|------------|---|
| 1 | 8/17/2016 | Initial |
| 1.1 | 10/24/2018 | Format changes for version 1 Device Handler release |
| 1.2 | 2/1/2021 | <ul style="list-style-type: none"> • Branding updates • Copyright updated • Changed references from VX520 to Verifone terminals • Updated Configuration Diagram |
| 1.3 | 4/14/2021 | <ul style="list-style-type: none"> • Updated the link for the Device Handler – Web version. |

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Table of Contents

| | |
|---|---|
| Overview..... | 4 |
| Introduction | 4 |
| Requirements..... | 4 |
| Configuration | 5 |
| Overview..... | 5 |
| Installation | 6 |
| Installing on a Windows Machine..... | 6 |
| Integrating | 7 |
| Option 1: Use Parameters with Forte Products..... | 7 |
| Option 2: Add a Script..... | 7 |

Overview

Introduction

Verifone point-of-sale (POS) terminals enable partners using Forte's Advanced Gateway Interface (AGI) API to process EMV transactions for credit cards and non-pin-based debit cards. For partners using browser-based POS applications, Forte recommends integrating your terminal using the Web version of Device Handler. This version uses a local service on your computer to connect your POS application, the terminal, and Forte in a persistent connection between your machine and the transaction server. The Device Handler Web version supports PCs and can be used with other Forte products like [Forte Checkout](#) or [SWP Checkout](#) or other third-party POS applications.

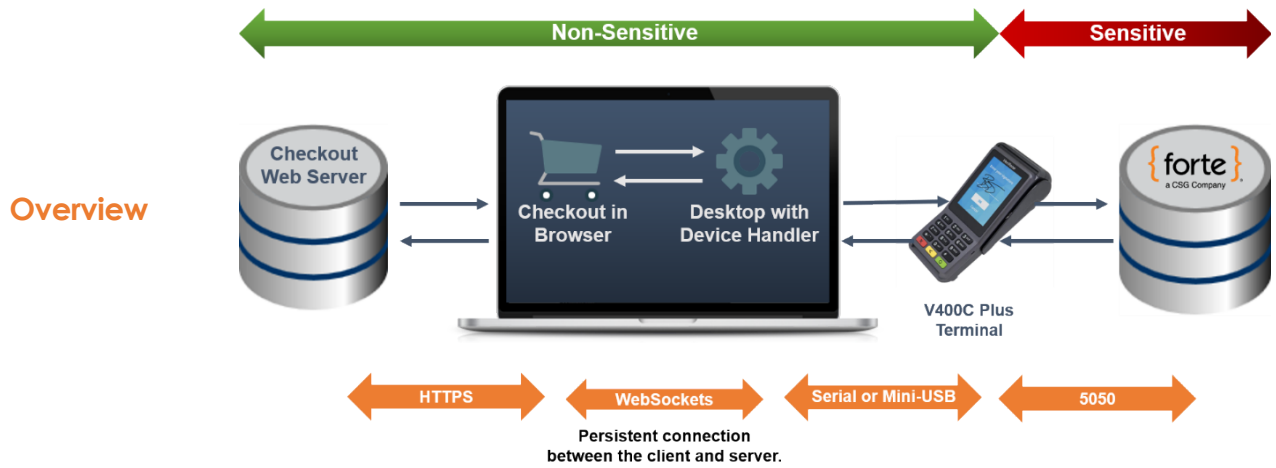
Requirements

To begin the Device Handler Web integration, ensure you have the following:

- A supported Verifone terminal with the Forte Load configured in Listening Mode. Currently supported Verifone terminals include the following: VX520 and [V400C Plus](#).
 - A mini-USB cable for the mini-USB port
 - The [Device Handler Web Setup File](#)
 - Forte's [Advanced Gateway Interface \(AGI\) API Specification](#)
-

Configuration

Forte's Device Handler installs a local service on a client machine. This service supports transactions in which a Verifone terminal reads the card and returns relevant parameters back to the client. The merchant sends the transaction securely to Forte via the terminal, prints a receipt (from a terminal setting), and displays the transaction result information. The following figure provides a high-level overview of this setup.



The terminal is connected to the client through a mini-USB cable via the mini-USB port for Windows machines. The terminal must include a Forte Load and be configured in Listening Mode for the Device Handler to communicate.

Installation

Installing on a Windows Machine

Use the following procedure to install the Device Handler:

1. Download the [Forte Device Handler Install Package](#).
2. Double click on the .exe file and initiate the install.

To install and perform updates to the service on the client machine, you must have administrator privileges.

Integrating

Forte Checkout Sample Code:

```
<button swipe="emv"
api_login_id="m1NrGv9pM"
version_number="1.0"
callback="oncallback" method="sale"
total_amount="5.00"
utc_time="635834803889591300"
signature="e24301fc103865f10b46941e0df622ee"

hash_method="md5">Pay</button>
```

Option 1: Use Parameters with Forte Products

SWP Checkout Sample Code:

```
<form action= "https://swp.paymentsgateway.net/co/default.aspx" method="POST">
<input type="text" name="pg_api_login_id" value="m1NrGv9pM">
<input type="text" name="pg_transaction_type" value="10">
<input type="text" name="pg_total_amount" value="5.00">
<input type="text" name="pg_swipe" value="emv">
<input type="submit" value="Submit">
</form>
```

Option 2: Add a Script

Another integration method available to merchants is simply including a script reference to the client checkout page. After including the script, the merchant then just has to follow Forte's Advanced Gateway Interface (AGI) API to send transaction requests and receive transaction results.

Continued

Integrating (Continued)

Option 2: Add a Script (Continued)

```
<script src="https://s3.amazonaws.com/public.forte.prod/fpdh/handler.js"
type="text/javascript"></script> <script type="text/javascript">

forteDeviceHandler.connect(onConnect)
.disconnect(onDisconnect)
.acknowledge(onAcknowledge)
.success(onSuccess)
.decline(onDecline)
.error(onError)
.timeout(onTimeout).init();

forteDeviceHandler.createTransaction({
  pg_merchant_id: 115161,
  pg_total_amount: 2.55
  //Add more parameters here
});

function onConnect(result) {
  //COM port found
  //handle connect
}

function onDisconnect(result) {
  //COM port disconnect
  //handle disconnect
}

function onAcknowledge(result) {
  //transaction request is acknowledged, run the credit card in terminal
}

function onSuccess(result) {
  //handle success transaction here
}

function onDecline(result) {
  //handle declined transaction here
}

function onError(result) {
  //handle error here
}

function onTimeout(result) {
  //handle timeout here
}
</script>
```