



# **Verifone**<sup>®</sup>

Verix eVo for ARM-11  
Version 2.8.19.1  
Release Notes Document  
20-November-2017

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## 1. Introduction

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The Verix eVo packages, also known as Extended Operating System (EOS) packages, extend your operating system functionality providing features like networking and contactless EMV. Verix eVo may be separately downloaded from the core operating system.

This is the installation package for Verix eVo which includes the Vx ARM-11 download files.

## 2. Minimum Requirements

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### Hardware Requirements:

FD55	Terminal	OS QT550101
Vx520 D/E	Terminal	OS QT520240 or later
Vx520 GPRS	Terminal	OS QT5G0240 or later
Vx520 3G	Terminal	OS QT5H0240 or later
Vx520 Sprocket	Terminal	OS QT5S0009
Vx600	Terminal	OS QT600105
Vx675	Terminal	OS QT650500
Vx675 3G	Terminal	OS QT650253
Vx675 BT/Wi-Fi	Terminal	OS QT650253 Wi-Fi Driver 1.00.04 BT Driver 2.10.09
Vx675 BT (AP)	Base	Firmware 0.0.31
Vx680 BT/Wi-Fi	Terminal	OS QT6B0240 Wi-Fi Driver 003 BT Driver 1.49
Vx680 BT (AP)	Base	Firmware 0.0.31
Dione XBPS019	Base	LAN G4 Firmware SOFT0903
Vx680 GPRS	Terminal	OS QT680240 or later
Vx680 3G	Terminal	OS QT6G0240 or later
Vx680 CDMA	Terminal	OS QT6C0002
Vx685	Terminal	OS QT6Z0303
Vx690 3G/BT	Terminal	JOEYS 2.0.7 or later
Vx690 WiFi/3G/BT	Terminal	JOEYS 2.0.7 or later
Vx690 BT (AP)	Base	Firmware 18.00.14
Vx805	DuetBase	OS QT850240 or later MCU280-xx010717
Vx805	Contactless	OS QT850240 or later
Vx820	Terminal	OS QT820240 or later
Vx820	DuetBase	QT820240-E02 MCU282-xx010800
Vx825	Terminal	OS QT830240 or later
e315	Terminal	OS QTE30205
e315M	Terminal	OS QTE30301
e335	Terminal	OS QTE30205

e265	Terminal	OPAL-03.08.01
e265G	Terminal	ONYX 00.00.08
e355	Terminal	NOVA-03.08.01

### **Software Requirements:**

- Verix eVo (EOS11) SDK 2.8.12

## **3. Installation**

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### **Verix eVo Package Items:**

- Vx011-EOS.zip, zip contains the files for ARM-11 terminal download.
- d11-EOS.bat, batch file to download the zip file to an ARM-11 terminal.

### **Terminal Configuration – General**

- Install package using download instructions below.
- Install user application.
- Set \*GO to user application.
- Restart terminal.

### **Download and Running the Package**

- Extract the latest Vx011-EOS.zip download file from the release package.
- Download Vx011-EOS.zip using d11-EOS.bat.
- Restart terminal

## 4. Component Versions

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Component	Version
Verix eVo NCP	2.8.7.3
Verix eVo CE	2.8.16.1
Verix eVo CEIF	2.8.5.1
Verix eVo ELOG	1.2.0.1
Verix eVo EOS	2.8.6.1
Verix eVo Dial Conexant	2.8.1.1
Verix eVo Dial Silabs	2.8.1.1
Verix eVo Ethernet	2.4.1.1
Verix eVo CDMA Huawei	2.0.0.1
Verix eVo GPRS BGS2	2.8.13.1
Verix eVo GSM BGS2	2.8.12.1
Verix eVo GPRS MC5X	2.8.13.1
Verix eVo GSM MC5X	2.8.12.1
Verix eVo GPRS PHS8	2.8.14.1
Verix eVo GSM PHS8	2.8.13.1
Verix eVo BT Engine	2.8.7.1
Verix eVo Bluetooth	2.8.1.1
Verix eVo BT Ethernet	2.8.1.1
Verix eVo BT Conexant	2.8.2.1
Verix eVo BT Silabs	2.8.2.1
Verix eVo BT Mobile	2.8.0.1
Verix eVo BT Serial	2.8.2.1
Verix eVo BCP	2.8.5.1
Verix eVo WiFi	2.8.11.2
Verix eVo WCP	2.8.6.1
Verix eVo GPSD	2.8.4.1
Verix eVo ISDN Stollmann	2.8.1.1
Verix eVo Open Protocol	1.3.12.2
• Verix eVo TCPIP	
○ IP Stack	1.3.5.1
○ Net.lib	1.3.2.1
• Verix eVo SSL	2.1.6.1/1.2.10.1
• Verix eVo WPA Supplicant	2.5.6.2

## 5. Limitation

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- In Wi-Fi Control Panel, SSIDs of scanned access points in UTF-8 format are not properly displayed on the terminal screen. There will be extra characters which are not part of the actual SSID. In spite of this issue, terminal is still capable of connecting to the access point leaving the SSID as it is (with the extra characters) when it was scanned.

- If radio firmware update has been interrupted, you cannot start GPRS/GSM network interface up because the radio can no longer respond to AT commands (except AT^SFDL). In order to recover, you must repeat the firmware update and complete it successfully.
- To successfully pair an iOS device (as initiator) to a terminal, the SPP port should be configured and started as a server.

## 6. Change History

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### ***Significant Changes from Version 2.8.18.1 to 2.8.19.1***

- WPA Supplicant changes:
  - Added fixes to protect against KRACK (Key Reinstallation Attack).
    - CVE-2017-13077
- Amdocs Case Fix:
  - ESAMDOCS-4036: ceGetNWParamValue(IP\_CONFIG) is returning -1007 after 3minutes
  - ESAMDOCS-4233: No CE\_EVT\_NET\_DN received when wifi router is turned off

#### **Note:**

Please see the complete list and details of change history at **[Verix\\_eVo\\_ChangeHistoryForPreviousReleases.pdf](#)**.