
Release Notes VC80 Windows 10 Rev. A

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Description

1. This is initial release of VC80 product with Windows 10 IoT Enterprise OS.
 - New "Windows 10 IoT Enterprise 2016 Entry" OS
 - "Enterprise Entry" OS is licensed for platforms based on Intel Atom E3800 SoC;
 - "Enterprise Entry" OS is functionally identical to all other Windows 10 Enterprise Client OS variants;
 - Updated VC Control Panels application
 - Based on Windows 7 version 4.10;
 - Windows 10 components added and defects fixed;
 - Improved VC80 Kiosk, Screen Blanking, WiFiReconnect and TekWedge applications;
 - Enhanced UPS Battery and Accelerometer data logging;
 - Fixed issues with Haptics, WMI, Control Panel UI and System Information contents;
 - Improved Heater Control UI, Heater Test procedure and updated target temperature values for all heaters;
 - Improved Bezel Keyboard Button interaction with My-T-Soft on-screen keyboard;
 - Updated VC80 BIOS
 - BIOS for Windows 10 is based on Windows 7 MR2 BIOS;
 - Added SKU-based Windows 7/10 OS selection feature;
 - PXE is supported for both Legacy and UEFI BIOS modes;
 - Added VC80 device identification parameters for Microsoft SCCM compatibility;
 - Updated VC80 Embedded Controller firmware
 - EC firmware for Windows 10 is based on Windows 7 MR2 EC firmware;
 - Improved UPS Battery charging;
2. Created new VC80 Software Package zip file 80X0W10XENZP010100.zip, including:
 - Zebra Technologies EULA license.txt file;
 - BIOS 80X0XXXENBS010314.bin image and BS010314.nsh BIOS installation batch file for UEFI shell;
 - EC 80X0XXXENCF010311.bin image and CF010311.nsh EC installation batch file for UEFI shell;
 - New VC Control Panels installable image 80X0W10XENCL044316.exe;
 - EC firmware update utility ifu.efi (used in CF010311.nsh batch file);
 - VC80 Software Update Procedure document rev. 010100.

Device Compatibility

1. This release is compatible with any VC80 hardware SKU which is using MLB with E3845 Quad Core 1.91 GHz CPU, 4 GB RAM and 64 GB (or larger) SSD;

Installation Requirements

1. BIOS and Embedded Controller firmware from VC80 SW Package zip file (80X0W10XENZP010100.zip) shall be pre-installed on a compatible VC80 SKU before loading OS image. Please see instructions in VC80_SW_Update_Procedure_010100.docx document located in the 80X0W10XENZP010100.zip file.
2. Windows 10 OS option must be selected in BIOS before loading OS image;
3. All new VC80 hardware SKUs released in 2017 and later will have “Windows 10” OS selected in BIOS automatically based on SKU Code hard-coded in BIOS at the Factory;
4. Procedure to select Windows 10 OS on a “Windows 7” SKU:
 - a. Power off the VC80, connect a USB keyboard.
 - b. While powering on press the F7 key several times to get to the start up shell menu.
 - c. Select “Enter Setup” to go to BIOS
 - d. Right Arrow to “Advanced”
 - e. Down Arrow to “Miscellaneous Configuration”
 - f. Press ENTER
 - g. Arrow to “OS Selection by SKU” and press ENTER
 - h. Select DISABLE now press ENTER
 - i. Arrow to “OS Selection” and press ENTER
 - j. Select “Windows 10”
 - k. Press F4 to save and exit
5. Windows 10 Enterprise requires online Activation. To Activate Windows 10, please connect VC80 to Internet for few minutes and verify Windows 10 is activated:
 - a. Press the Windows Key
 - b. Select Settings (the gear)
 - c. Select Update & Security option
 - d. Select Activation option
 - e. The Activation field should now indicate “Windows is Activated”

Installation Instructions

OS image installation Procedure

In order to prepare a bootable USB drive with VC80 OS image, the following is required:

USB keyboard

USB flash drive at least 16GB. Please format the drive using FAT32 file system before using

it. Download latest revision of Tuxboot tool from SourceForge

Create a bootable USB drive with VC80 OS image.

Start Tuxboot.

Step 1 – Select Pre Downloaded.

Step 2 – Select ISO file format.

Step 3 – Select the VC80 ISO file you have downloaded

Step 4 - Select the USB drive

Press OK

This will take time to create, duration depends on the speed of your USB drive.

Restore OS image

1. Connect this USB driver you created above to your VC80 and the USB keyboard.
2. The VC80 will boot from the USB drive automatically.
3. On Clonezilla Live start menu screen (with "Clonezilla live (Default settings, VGA 800x600)" option selected), press ENTER to start.
4. When prompted with 2 messages like "Are you sure you want to continue? (y/n)". Press Y for both.
5. When the restore is completed, press ENTER to continue.
6. Select "power off" option from the final menu and press ENTER.

Component Contents

Component	Version
VC Control Panel	5.01.44316.0
BIOS	1.3.14
Embedded Controller	1.3.11
Intel E3800 Chipset drivers	10.1.1.34
Intel Processor Graphics	10.18.10.4358
Intel E3800 SOC IO Drivers	1.1.1.1004
Intel TXE Driver	1.0.0.1064
Realtek Audio Codec driver for VC80	6.0.1.7329
Realtek Gigabit Ethernet driver	10.13.1223.2016
Touch Base Touch Panel driver	05.01.1496
Broadcom WLAN	6.223.274.23
Broadcom BT driver and stack	12.0.1.940
U-blox Sensor driver	2.24
U-blox U-Center Demo Application	8.24

IMG My-T-Soft SIP	1.90.02
Zebra Designer	2.50.9385
Zebra Printer Setup utilities	1.1.9.1204
Zebra Font Downloader	3.1.1.9355
Zebra Printer Status Monitor	5.1.7
Zebra Firmware Downloader	3.0.1.28
Zebra Scanner SDK	3.00.0004
Zebra CoreScanner driver	3.00.0003
Zebra SMS	3.00.0004
Zebra TekTerm TE Demo	9.0.43015
Microsoft Visual C++ 2013 x64	12.0.30501.0
Mozilla Firefox Browser	51.0.1
IBM Java JVM	8.121

Downloadable Software Included in this Release

File	Description
8020W10AENOS010105.iso	Windows 10 IoT Enterprise 2016 LTSB Entry 64-bit OS Clonezilla Bootable Recovery USB Flash drive image
80X0XXXENCL044316.exe	VC Control Panel installable image. Included into OS image and VC Software Package file.
80X0XXXENCF010311.bin	VC Embedded Controller Firmware image. Requires UEFI-based tool to install.
80X0XXXENBS010314.bin	VC80 AMI BIOS image. Requires UEFI-based tool to install.
80X0W10XENZP010100.zip	VC Software Package file include: VC Control Panel Installer image; BIOS image and installation batch file; EC image, installation utility, batch file and procedure; Zebra license file. The package is compatible with Windows 10 OS images revisions 0101XX.

Last Revised: April 04, 2017