

u-blox VCP Device Driver v3.10

Release note

Abstract

Release note containing general information, features, improvements, changes and known limitations for the u-blox VCP Device Driver v3.10.

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Document Information**Title** u-blox VCP Device Driver v3.10**Subtitle****Document type** Release Note**Document number** UBX-17058773**Revision and date** R00 27-Oct-2017**Document status** Production Information**Document status explanation**

Objective Specification Document contains target values. Revised and supplementary data will be published later.

Advance Information Document contains data based on early testing. Revised and supplementary data will be published later.

Early Production Information Document contains data from product verification. Revised and supplementary data may be published later.

Production Information Document contains the final product specification.

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1 Introduction

This document provides the release note for the u-blox VCP Device Driver v3.10.

1.1 Installer Files

The installer file for the driver is:

- ubloxGNSS_vcpDeviceDriver_windows_3264_v3.10.exe

1.2 Components

The VCP (Virtual COM Port) Device Driver installer contains the following components:

- Virtual COM Port Device Driver

1.3 Released Documentation

- Public Release Notes (UBX-17058773)
- u-blox GNSS Sensor and VCP Device Driver User Guide (UBX-15022397)

2 Features

2.1 Supported Microsoft Windows versions

The following Windows version are supported:

- Windows 7, 32 and 64-bit
- Windows 8, 32 and 64-bit
- Windows 8.1, 32 and 64-bit
- Windows 10, 32 and 64-bit

2.2 Windows Hardware Certification

The VCP Device Driver is certified and signed for the following Windows versions:

- Windows 7, 32 and 64-bit
- Windows 8.1, 32 and 64-bit
- Windows 10 (1709), 32 and 64-bit

2.3 Supported u-blox GNSS receivers

The following u-blox GNSS receivers are supported:

| Receiver generation | Product ID | Vendor ID | Device name (shown in Device Manager) |
|---------------------|------------|-----------|---------------------------------------|
| u-blox 5 | 0x01A5 | 0x1546 | u-blox 5 GPS and GALILEO Receiver |
| u-blox 6 | 0x01A6 | 0x1546 | u-blox 6 GPS Receiver |
| u-blox 7 | 0x01A7 | 0x1546 | u-blox 7 GPS/GNSS Receiver |
| u-blox 8/M8 | 0x01A8 | 0x1546 | u-blox GNSS Receiver |

3 Improvements and Changes

3.1 Version 3.10

- Certified for Windows 7, 32 and 64-bit
- Certified for Windows 8.1, 32 and 64-bit
- Certified for Windows 10 release 1709 (Fall Creators Update), 32 and 64-bit.
- The uninstaller now also removes the VCP device. Past failure to do this resulted in a residual unknown device being displayed in device manager.

3.2 Version 3.03

- Certified for Windows 7, 32 and 64-bit
- Certified for Windows 8.1, 32 and 64-bit
- Certified for Windows 10 release 1703 (Creators Update), 32 and 64-bit.

3.3 Version 3.02

- Corrected implementation of IOCTL_SERIAL_GET_WAIT_MASK and IOCTL_SERIAL_WAIT_ON_MASK. This allows applications using these control code to function correctly.

3.4 Version 3.01

- Fixed certificate issue with Windows release 1607 (Anniversary Update).

3.5 Version 3.00

- The VCP is now a User Mode driver.
- Exempt from Device Guard compliance.

3.6 Version 2.30

- Version increased to v2.30.
- DUA from v2.24, no binary changes.

3.7 Version 2.24

- Enable the VCP driver for all languages.

4 Known Limitations

4.1 Known Issues

- This driver does not fully emulate a hardware serial port.
- The .Net 'SerialPort' class does not recognise the COM port created by this driver as real COM port, hence this class cannot be used to communicate with this driver.

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