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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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 versions 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:

<table>
<thead>
<tr>
<th>Receiver generation</th>
<th>Product ID</th>
<th>Vendor ID</th>
<th>Device name (shown in Device Manager)</th>
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<tr>
<td>u-blox 5</td>
<td>0x01A5</td>
<td>0x1546</td>
<td>u-blox 5 GPS and GALILEO Receiver</td>
</tr>
<tr>
<td>u-blox 6</td>
<td>0x01A6</td>
<td>0x1546</td>
<td>u-blox 6 GPS Receiver</td>
</tr>
<tr>
<td>u-blox 7</td>
<td>0x01A7</td>
<td>0x1546</td>
<td>u-blox 7 GPS/GNSS Receiver</td>
</tr>
<tr>
<td>u-blox 8/M8</td>
<td>0x01A8</td>
<td>0x1546</td>
<td>u-blox GNSS Receiver</td>
</tr>
</tbody>
</table>
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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