

IN – Information Note

Topic:	u-blox connectivity software v4.0.0 available for ODIN-W2
	UBX-17011154
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1 Affected Products

Product Name	Order Number	Type No	Remarks
ODIN-W260	ODIN-W260-03B	ODIN-W260-03B-00	Software v4.0.0
ODIN-W262	ODIN-W262-03B	ODIN-W262-03B-00	Software v4.0.0

2 Type of Change

- Hardware modification
- Software update
- Documentation update
- Others

3 Description of Changes

3.1 Software updates

ODIN-W2 software version 4.0.0 includes new functionalities and correction of issues from the previous software releases. The new software version is preflashed in the orderable products - ODIN-W260-03B and ODIN-W262-03B. It is also downloadable from the web [1].

The main new features in the software v4.0.0 are presented in the following sections and in the release notes [2].

3.1.1 Wi-Fi Station EAP/TLS

EAP/TLS, or Extensible Authentication Protocol/Transport Layer Security, is an authentication protocol that provides for certificate-based and mutual authentication of the client and the network.

3.1.2 Bluetooth Static Link Key

Support for a predefined link key is implemented for both Bluetooth low energy and Bluetooth Basic Rate/Enhanced Data Rate (BR/EDR) connections.

3.1.3 Bluetooth Quality of Service

Bluetooth Quality of Service enables support for bandwidth allocation and latency control.

3.1.4 TCP Keep Alive

TCP Keep Alive is a service that monitors whether established TCP services are still alive; otherwise, the connection is terminated on the ODIN-W2 side.

3.1.5 8 TCP links

ODIN-W2 software has been enhanced to enable simultaneous data transfer on up to 8 TCP connections.

3.1.6 Bluetooth fast connections and discovery

The software includes improved connection times and increased robustness on connections. This feature is configurable.

3.2 Documentation updates

Document Title	Document No	Updates
ODIN-W2 Data Sheet [3]	UBX-14039949	Certifications and applicable products
AT Command Manual [4]	UBX-14044127	Updated with new features
ODIN-W2 Product Summary [5]	UBX-15004332	Updated Certifications and approvals
ODIN-W2 Getting Started [6]	UBX-15017452	Updated Applicable products
ODIN-W2 System Integration Manual [7]	UBX-14040040	Updated Applicable products
Extended Data Mode Protocol Specification [8]	UBX-14044126	Updated Applicable products
Serial Port Service Protocol Specification [9]	UBX-16011192	Updated Applicable products
Open Source Software Licenses [10]	UBX-15022695	Updated Applicable products

4 Schedule

Documentation is available for download now.

ODIN-W2 modules with software version 4.0.0 are orderable now.

5 Customer Impact and Recommended Action

It is recommended to review the software updates presented in the release notes [2].

6 Reference Documents

- [1] [Software 4.0.0 for ODIN-W2](#)
- [2] [Software 4.0.0 for ODIN-W2 Release Notes](#), UBX-17010340
- [3] [ODIN-W2 Data Sheet](#), UBX-14039949
- [4] [AT Command Manual](#), UBX-14044127
- [5] [ODIN-W2 Product Summary](#), UBX-15004332
- [6] [ODIN-W2 Getting Started](#), UBX-15017452
- [7] [ODIN-W2 System Integration Manual](#), UBX-14040040
- [8] [Extended Data Mode Protocol Specification](#), UBX-14044126
- [9] [Serial Port Service Protocol Specification](#), UBX-16011192
- [10] [Open Source Software Licenses](#), UBX-15022695