

WHICH ANTENNA FITS THE UNICORE MODULE?



When a customer decides to test one of our new Ultra High Precision Positioning Systems, they can acquire an evaluation kit for the module in our online shop www.rutronik24.com. Be aware that there is no antenna included in these kits.

2J Antennas made special variants of its magnetic and crew mounted antennas with a MMCX connector to give you the best performance by using Unicore HPL-EVK without the need of an adaptercable.

Only the EPL-EVK KIT **M** Version, used to test the UB4B0M, needs a MCX to SMA adaptercable, as well as a standard antenna with SMA connector.

The following overview should help you to quick start your project:



The **UM4B0** is a high precision RTK-Module. Receiving data from all GNSS, it is perfect for light-weight robots, GIS, intelligent driving, UAV, etc.

To test the **UM4B0**, you need to acquire the **UM4B0EXTA (GPS1455)** as it fits on the **HPL-EVK (GPS1453)**



The **UM482** is the smallest high-precision positioning and heading module in the world. The module is designed for light-weight robots, GIS, intel. driving, UAV, etc.

To test the **UM482**, you need to acquire the **UM482EXTA (GPS1456)** as it fits on the **HPL-EVK (GPS1453)**



The **UB482 (GPS1452)** is a multi-system, multi-frequency and high precision heading board. It is perfect for driving tests, industrial drones and intelligent driving. This board will be connected directly to the **HPL-EVK (GPS1453)**



The **UB4B0 (GPS1450)** is a multi-system GNSS high-precision board working with most satellite navigation systems. It uses a triple frequency RTK technology, and is mostly used for positioning, accurate surveying, CORS Stations. This board will be connected directly to the **HPL-EVK (GPS1453)**



The **UB4B0M (GPS1451)** is an RTK-Board, managing centimeter-level RTK positioning, millimeter-level carrier phase observations, supports multi path mitigation. This board will be connected directly to the **HPL-EVK KIT M (GPS1454)**

Each product can be ordered at www.rutronik24.com

For any questions or requests please contact our support team at wireless@rutronik.com

For HPL-EVL Kit

2J6901BC2F-300LL100-C05NST - WIREAC2964 -

This screw mounted antenna is specially designed for the Unicore HPL-EVK. With low-power requirements, the 2J6901BC2F caters to GPS, QZSS, GLONASS, BeiDou, Galileo and SBAS standards while operating at high efficiency within 1227 MHz and 1561-1606 MHz. The antenna supports L1 and L2 bands, but not L5.



2J7C01MC2F-300LL100-C05NST - WIREAC2965 -

This antenna has almost the same technical features, but is designed for magnetic mounting



For HPL-EVL Kit M

CX-MCX174SMA-241 - WIREAC1454 -

This adaptercable from Chinmore is 20 cm long and fits with its MCX and SMA connectors between HPL-EVK KIT M and the WIREAC2578 shown below



2J6901BC2F-300LL100-C20N - WIREAC2578 -

This screw mounted antenna needs few power and works with GPS, QZSS, GLONASS, BeiDou, Galileo and SBAS standards and operates at 1227 MHz and between 1561-1606 MHz.

The antenna supports L1 and L2 bands, but not L5.

