

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, indus- trial 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**)

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 stan-



dards 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





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**)

For HPL-EVL Kit M

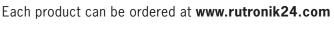
CX-MCX174SMA-241 - WIREAC1454 -

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.



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