EB robinos Predictor Eval Kit
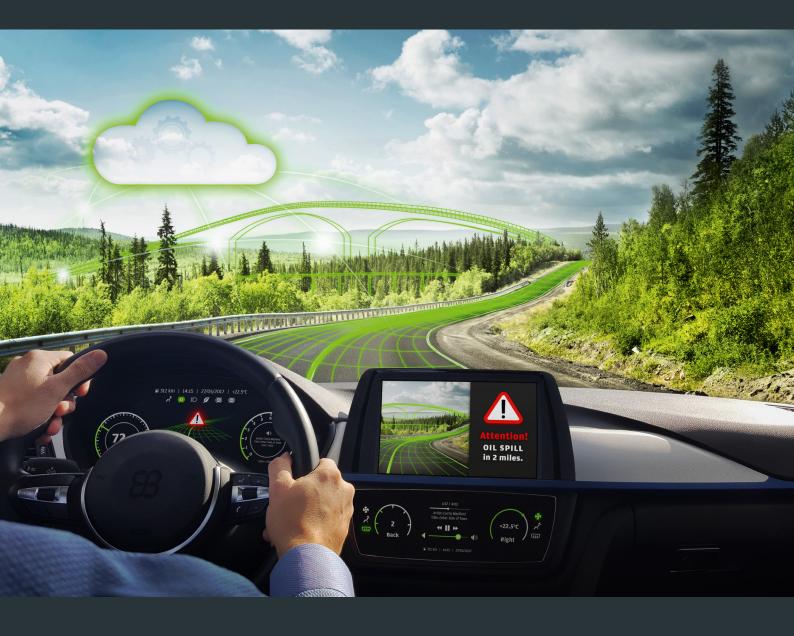
In a Nutshell:

**A robust and production ready
ADASIS Provider for your R&D activities**

▸ Supporting latest HERE maps (EU, NAR, RoW) → ADASISv2
▸ Supporting latest TomTom maps
  (EU, NAR, others to come) → ADASISv3
▸ Using a GNSS receiver as positioning source
▸ Recording and replaying tracks of all test-drives
▸ Configure your ADASIS Provider
  • Connection settings
  • Map regions (EU, NAR, RoW)
  • ADASIS protocol settings
▸ Connect your computer via WiFi (for easy configuration & control)

Benefits:

EB robinos Predictor Eval Kit is a Raspberry Pi device running
the EB robinos Provider (ADASIS). It can be used to evaluate the
capacity and performance of EB's electronic horizon products.
This Raspberry Pi platform is equipped with all that is necessary
for a demonstration ECU. Major advantages of this kit are:

▸ Small hardware dimensions
▸ High robustness (hard- & software)
▸ Ready for test drives
▸ Support for different I/O: CAN-Bus (ADASISv2);
  Ethernet (ADASISv3)
▸ Expandable: Add-on boards, e.g. inertial sensor boards for
  EB HD Positioning (Dead Reckoning)

Content and installation:

EB robinos Predictor Eval Kit contains everything that
is necessary to run EB robinos Provider out of the box.
After connecting it to the power supply, the GNSS
receiver and the CAN interface, EB robinos Predictor
Eval Kit is configured to start sending ADASIS messages
after startup.

▸ Power supply
▸ GNSS receiver
▸ CAN Terminator Resistor
▸ CAN (SUB-D9 to USB Adapter)
▸ Maps (EU, NAR, RoW)

Power supply:

EB robinos Predictor Eval Kit uses a 5V Micro-USB connector as the power source.

Provider interface:

To run EB robinos Predictor Eval Kit in GNSS Mode connect a standard USB GNSS receiver (supporting NMEA 0183) through
any vacant USB slot of the Raspberry Pi. The application software connects the GNSS receiver automatically to the electronic
horizon provider and receives the NMEA strings.

CAN interface:

EB robinos Predictor Eval Kit provides a RS-232 connector which is ready to be used within CAN area networks.

Via the CAN/USB connector, it is possible to connect EB robinos Predictor Eval Kit to a computer in order to visualize the
electronic horizon ADASISv2 tree in an appropriate tooling e.g. EB robinos Reconstructor for ADTF.

LAN/WiFi:

Via LAN/WiFi it is possible to send ADASISv3 messages