Insight SiP
It's all in the package

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ISP4520
Development Boards

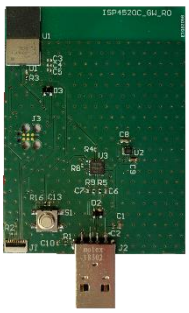
In order to assist clients in developing their LoRa connectivity solutions based on the ISP4520, Insight SIP offers associated Test Boards and Development Kits. They provide full HW and SW necessary development environment for product developers to start working on their solutions. Time to market is saved by avoiding starting from a blank sheet of paper.

Tx Test Board - Mote

The Tx Test Board / Mote consists of a module mounted on a PCB for prototyping and testing purpose. It includes a connection to the Insight SiP Interface Board provided in ISP1807 Evaluation Boards (see nearby).

It also offers test points for all IOs and can be used in conjunction with a Nordic Development kit through the “Debug” connector or an external J-Link programmer.

Rx Test Board - Gateway



The Rx Test Board / Gateway consist of a PCB integrating an ISP4520 module and a USB plug for connection to a PC port com. It enable to communicate with a Tx Test Board / Mote in a point to point connectivity mode through LoRa standards.

Development kit

The Development Kit offers the perfect solution to start with ISP4520 combo module. It includes:

- One Interface Board with integrated J-Link OB JTAG/SWD Emulator
- One Tx Test Board / Mote
- One Rx Test Board / Gateway
- Cables
- Firmware codes for both Mote & Gateway:
  - Mote is sending temperature sensor data
  - Gateway is receiving data and is transferring through USB port com
- Including LoRaWAN stack ported on nRF52 platform

How to order

- **ISP4520-XX-TB** TX Test Board / Mote
- **ISP4520-XX-GW** RX Test Board / Gateway
- **ISP4520-XX-DK** Dev Kit
- Where **XX** = **EU** for Europe bandwidth
  = **US** for American bandwidth
  = **AS** for Asia-Pacific bandwidth

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