



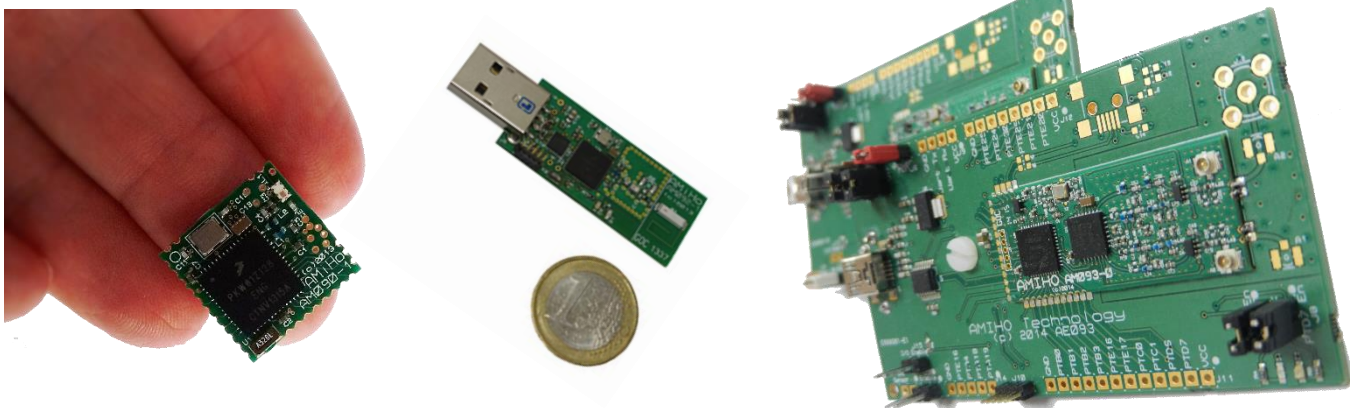
AMIHO Technology

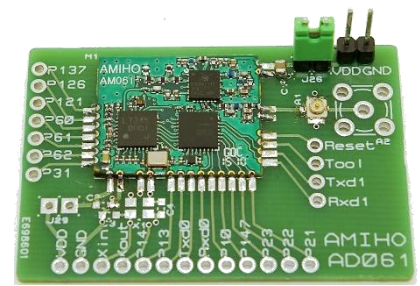
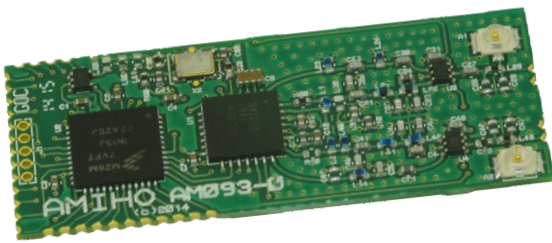
AMIHO Technology creates innovative wireless communication solutions for the Smart Metering, Smart Automation and Internet of Things sectors.

We deliver a range of Wireless M-Bus and LoRa (long range) communication products, partnering with leading names in embedded processor and radio technology to bring you the best in terms of flexible and reliable solutions.

Our off-the-shelf products are ready to be included in your application and come complete with a fully featured software stack to get you up and running quickly and with minimal fuss.

Our team of wireless communication experts can also provide development and integration services to enable optimization of our solutions (software and hardware) or help getting your design to market quickly.





Advantages

- Best-in-class technology
- Innovation in wireless communication
- Optimizable software stack
- AES 128 encryption/decryption
- Full access to on-board MCU to add application code
- Energy efficient - ideal for battery operated devices
- Compact
- Reduce BoM at high volume
- Leading edge semiconductor partners
- Faster time to market
- Reliable communications – robust protocol
- Flexible business model - from prototype through to mass production

“ For our Smart meter project we needed a new optimal Wireless M-Bus solution. After evaluating numerous solutions, we found the combination of a Freescale wireless controller and the AMIHO Wireless M-Bus stack to be the best choice. We have a solution that is very efficient and reliable as well as being low enough cost to roll out in the high volumes required in future.

Furthermore, we have integrated the AMIHO Wireless M-Bus technology in our multiprotocol Squid.link gateway, which is a low-cost modular platform for flexible Smart Home networks. ”

Poul Eriksen, Develco Products

The AMIHO difference – intelligent wireless

We are experts in wireless communications and we understand the requirements of the Smart Meter, Smart Automation and IoT markets.

We provide ready-to-go communication modules based on Wireless M-Bus and Long Range radio and a fully featured software stack enabling you to focus on your product or application.

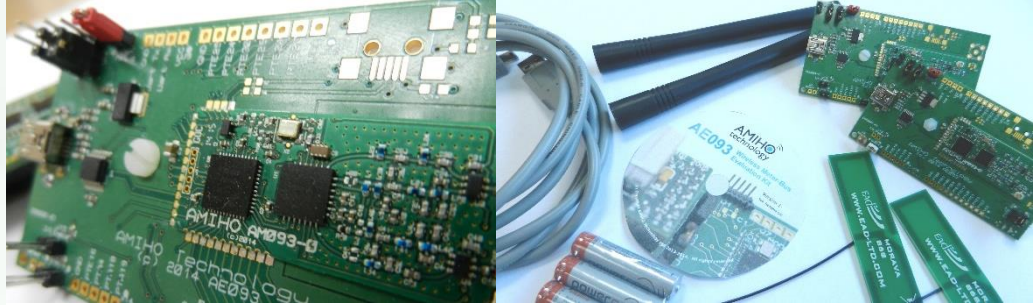
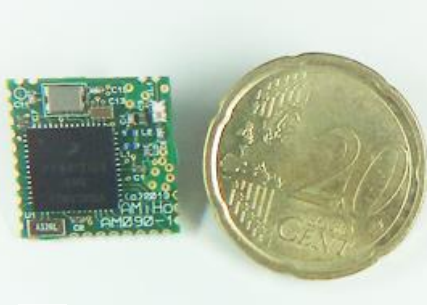
Our products are innovative and reliable, including our smallest footprint, low cost Wireless M-Bus module and our proof of concept dual band module with both Wireless M-Bus and LoRa, designed to speed up your development time.

Flexible Business Model

Choose the most practical and effective ways to work with us:

- Buy complete wireless modules including our optimizable software stack, and use them directly in your product
- License and embed the software stack only
- For high volume designs, license our hardware reference designs and integrate them directly into your product
- Development services to support the above

This choice keeps project management within your control and enables scaling from prototype through to rollout whilst minimising BoM costs and time-to-market.



Benefits of Wireless M-Bus

- Standards based, proven technology
- No certification, licence or industry membership required
- Sub-1GHz frequency gives longer range
- Transmits through walls and enables harder to reach devices
- Optimised for ultra low power consumption – ideal for battery powered devices
- Simple network topology
- Widely adopted for Smart Metering and benefits apply to other IoT applications

Benefits of long range LoRa and 169 MHz high power technology

- Extend range from only **metres to several kilometres**
- Reduce number of repeaters/concentrators in a network
- Reduce incidence of dark meters and unreachable end points

Modules

Our range of modules is based on world class MCU and radio suppliers including Freescale, Renesas, Semtech and ROHM-Lapis.

The modules can be incorporated into your product to provide the communications required at either 169 or 868 MHz in the ISM bands.

Optimized Software

Our software is a major differentiator as the AMIHO stack is fully featured, reducing the need to write extra code and is highly recommended by our partners and customers.

For more information on our full range of wireless products please see our product briefs on the website.

Evaluation Kits

We provide evaluation kits, with everything you need, including our own PC Tool, to enable fast and simple evaluation and prototyping.

Professional Service and Development Support

Customers are able to access technical support from our team of highly qualified and experienced engineers to reduce risk and time to market.

Services include:

- Hardware and software integration
- Software porting
- Reference designs
- RF development and testing
- Application integration
- Product and interoperability testing
- Support contracts



“ The new AMIHO Multi (AM093) dual-band spread-spectrum module, based on Freescale Low Power Kinetis “L” microcontroller, provides a unique opportunity in wireless communications and promises game-changing technology for the global Smart Meter programs. ”

Jean-Marc Darchy,
Freescale Semiconductor

**For more information on the full range of wireless products
please see our product briefs or contact us at:**

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