

SECURITY FOR EMBEDDED DEVICES

MathEmbedded provides software security services for connected electronics products. We specialise in helping you to get your trusted product to market faster and by providing security support throughout the lifetime of the product.

DEFENSIVE EMBEDDED C/C++ SECURE SOFTWARE DEVELOPMENT TRAINING

THE PROBLEM

Software is now a significant component required for electronics devices including set-top-boxes, automotive in-vehicle infotainment, WiFi routers and home gateways, smart meters, industrial systems and even domestic white goods.

The security of these devices, especially if they are “connected” into a network, depends heavily on the architecture and design of the system.

Insecure devices can result in **brand damage**, **financial liabilities**, expensive **product returns** and even **safety issues**.

HOW CAN WE HELP?

MathEmbedded can support you by providing **hands-on, time and cost effective, embedded secure C/C++ software development training**.

WHO IS THE COURSE FOR?

Software developers and testers responsible for the implementation and testing of software security in embedded devices.

WHO ARE WE?

MathEmbedded have been working since 2010 with security vendors, silicon manufacturers, OEMs and operators to help them understand the security issues introduced by the use of complex software platforms.

CONTACT US

For more information on pricing and availability of this service, or other services from MathEmbedded, please contact us using the details below.



THE COURSE

MathEmbedded offers an **efficient, intensive 2 day** fixed-price training course for up to 10 people that is conducted on your premises.

The course contains a mix of theory and practical sessions. Using an example program running on an embedded platform, it teaches each participant:

- Secure coding principles
- Secure program design
- Common software attacks and mitigations
- Understanding and implementing cryptography
- How to avoid side-channel attacks
- Code review and static analysis
- Security testing
- How to retrofit security to existing projects

The course can be tailored to suit your particular hardware and software environment.