

Firmware Engineer - Romania

About Paradox

Founded in 1989, we are a privately-owned, multinational manufacturer delivering advanced security solutions to residential, industrial and government customers world-wide, via our ecosystem of exclusive distributors. Our award-winning research and development teams, in Canada and Israel, develop a full range of innovative security panels, motion detectors, interactive touch screens and security accessories which leverage ground breaking technologies. Paradox is proud of our state-of-the-art, ISO 9001:2008 certified, Canadian manufacturing facility which produces top-notch, dependable products.

At Paradox, the workplace is one of innovation, pride and excellence. We are always looking for top-notch, talented people to join our team and take advantage of the many career opportunities available in our dynamic company.

We are looking for a Firmware Engineer to join our team. The individual will be part of a team that design, implement and maintain Paradox next generation of motion detectors.

This position includes the following tasks:

- Develop software components (C/C++) based on software requirements;
- Make functional testing of developed source code;
- Maintenance, development and provide support for Paradox solutions.

Requirements:

- B.Sc. in Computer Science/ Electrical Engineering;
- 3+ years' experience in SW development in Real-Time Embedded environment;
- Good knowledge of C/C++;
- Strong knowledge of embedded real-time operating systems, IPC, threading;
- Understanding of TCP/IP protocols and communication;
- Understanding of at least one wireless protocol is a plus;
- Microcontrollers knowledge and low power management;
- Experience working with ADC, DAC, PWM;
- Understanding of communication interfaces such as UART, RS485, I2C, SPI. USB is a plus;
- Nice to have experience working with IR motion detection and RF 433/866 communication;
- Ability to understand schematics and work with hardware engineers;
- Hands-on experience using hardware debugging instrumentation such as oscilloscopes and logic analyzers;
- Practical experience with compilers, linkers, and source code management utilities;
- Understanding various software development lifecycle;
- Demonstrate the ability to develop efficient and high-quality software;
- Team player attitude and attention to details;
- Good written and verbal communication skills in English
- Ability to quickly learn new skills and adapt to project needs
- Task orientation, initiative