

XP Power is a major supplier of critical power conversion technology to the medical, technology, industrial markets. We are a fast-growing company listed on the London Stock Exchange. We are looking for self-motivated professionals who thrive in dynamic environments. We are proud of and committed to our culture that values Customer Focus, Flexibility, Knowledge, Speed, and Integrity. Joining our team means you will work in a high performing global company where employees collaborate and strive for excellence.

Job Title: *Sr. Firmware Engineer*

Reports to: *Vice President, Engineering*

Location: *Tustin, California*

Employment Type: *Full-time*

Position Summary:

The Senior Firmware Engineer will be responsible for the design of firmware used in XP Power's products. Responsible for ensuring that design activities are coordinated per the development procedure. Establish and maintain project schedules.

Key Responsibilities:

- To develop DSP based power supplies
- Develop firmware for new and modified standard designs
- Develop associated documents to support sales and customers
- Develop test plans to verify firmware Support test engineering department
- Support other design teams for firmware programming and to train them
- Work with assigned engineers to optimize design, performance and cost
- To work as a team member to participate in other projects to solve technical issues or seek help when needed
- Provide guidance to technicians/junior engineers or perform hands on design verification testing
- Demonstrate willingness to adhere to XP's product development procedures.
- May assist in root causes analysis of existing product failures or provide customer support as needed
- Contribute & participate in internal design reviews
- Other duties may be assigned

Key Qualifications and Skills:

- Bachelor of Science Degree in Computer Engineering, Electrical Engineering or related field or equivalent
- Master of Science Degree in Computer Engineering, Electrical Engineering or related field or equivalent is a plus
- 5-7 years of Firmware development experience within the power supply industry or related industry
- Knowledge of DSP based power supplies
- Skills about different physical communication protocol like I2C, UART, CANBus, RS485 and should also be able to write DSP driver for these peripherals.

- Skills also in developing protocol like PMBus, Modbus, CANOpen and TCP/IP.
- Skills in digital control loop and digital filter
- Ability to define DVT plan, oversee and review DVT data and resolve non-compliances
- Must have the ability and willingness to keep up with new topologies, technologies and trends within the industry
- Must have the ability to work effectively within a team environment
- Knowledge of power conversion principles, topologies and switching techniques and technologies
- Experience with electronic packaging, electronic power supplies and power conversion products
- Understanding of Control Theory
- Ability to write and analyze design documentation
- Ability to make economic judgments with respect to product cost and manufacturing process
- Analytical - Collect and research data using intuition and experience to compliment that data.
- Problem Solving - Identify and resolve problems in a timely manner; gather and analyses information skilfully; develops alternative solutions; works well in group problem solving situations; uses reason even when dealing with emotional topics.
- Leadership - exhibit confidence in self and others; inspire and motivate others to perform well; effectively influence actions and opinions of others; accept feedback from others; give appropriate recognition to others.
- Cost Consciousness - work within approved budget; develop and implement cost saving measures; contribute to profits and revenue; conserve organizational resources.
- Motivation - set and achieve challenging goals; demonstrate persistence and overcome obstacles; measure self against standard of excellence;
- Planning/Organizing - prioritize and plan work activities; use time efficiently; set goals and objectives; develop realistic action plans.
- Professionalism - approach others in a tactful manner; react well under pressure; treat others with respect and consideration regardless of their status or position; accept responsibility for own actions; follow through on commitments.
- Quality Management - look for ways to improve and promote quality; demonstrate accuracy and thoroughness.
- Innovation - display original thinking and creativity; meet challenges with resourcefulness; generate suggestions for improving work; develop innovative approaches and ideas.
- Oral Communication – in English, speak clearly and persuasively in positive or negative situations; listen and get clarification; respond well to questions; demonstrate good presentation skills; participate effectively in meetings.
- Written Communication – in English, write clearly and informatively; edit work for spelling and grammar; vary writing style to meet needs; present numerical data effectively; able to read and interpret written information.

Benefits:

In addition to competitive salary, XP Power offers a comprehensive benefits package, which includes company sponsored health insurance coverage, and a 401K plan. Non-financial benefits include a friendly work environment.

To apply, please send your resume with cover letter and salary expectation to:

Alexandra Galvez - HR Generalist

Email: vacancies@xppower.com

XP Power is an equal opportunities employer.

For further background on the company please visit www.xppower.com