

Hardware Design Engineer Position

As an engineer, with a bachelor degree in electrical engineering and with at least 2 years experience in hardware design and knowledge of data transmission lines, Audio & Video transmission, and high bandwidth system design, you will be part of the R&D team designing and developing high speed video products.

RESPONSIBILITIES

- Manage R&D Projects
- Develop and design Audio & Video product
- Perform a feasibility study of the project;
- Document the project according to Muxlab's standards;
- Write the project technical specifications;
- Develop the Electrical schematics;
- Assist the electrical CAD specialist in the Schematics capture and PCB layout artwork;
- Build prototypes;
- Perform the Verification and Validation of the product developed;
- Participate in the editing of the users guide;
- Coordinate the transfer to production.

MAIN COMPETENCIES

- Must have a BAC in electrical engineering with a specialty in electronics and or telecommunications;
- Must be a dynamic, autonomous, and team-oriented individual.
- To be a member of the Order of Engineers of Quebec is an asset;

EXPERIENCE REQUIRED

- The candidate must possess at least 2 years experience in the development of hardware design, with proven ability to perform the required tasks, effective leadership skills, and ability to work with a team;
- The candidate must have at least two of the following points:
 - knowledge of data transmission lines;
 - knowledge of various video physical interfaces;
 - Experience in high bandwidth system design;
- Experience with Twisted pair transmission is an asset;
- Experience in development of high speed video and audio interfaces is an asset;
- Knowledge of embedded systems is an asset;
- Experience in development with a real time operating system and knowledge of microprocessors and micro-controllers is an asset;
- Experience in FPGA, VHDL programming, ASIC development as well as HDMI interface development is an asset;
- Familiarity with the CCTV, audio-video and/or structured cabling environment is an asset.

CONDITIONS

The candidate will be part of the Muxlab's Research and Development department. He will be surrounded by Project Leaders, Design Engineers, Technicians, and Documentation Specialists, already part of the R&D team.

In addition, and resulting from the private nature of our business, we will ask that the candidate reads and signs a confidentiality agreement, which will be presented during your first week of employment.

ABOUT MUXLAB

MuxLab Inc. is a leading designer and manufacturer of connectivity solutions that allow CCTV and Audio-Video equipment to be connected via cost-efficient Cat5 copper twisted pair in the structured cabling environment. For over 20 years, the MuxLab brand has been synonymous with quality, performance and reliability. VideoEase products streamline cabling by reducing material, space and installation costs. Even after installation, VideoEase products help save time and money by facilitating moves, adds and changes. MuxLab products are found in CCTV security and surveillance, classroom video, digital signage, home theatre, guestroom entertainment, podium presentation and boardroom projection systems to name a few. The MuxLab product line is available through a wide network of MuxLab Stocking Distributors.

MUXLAB MAY BE CONTACTED AT:

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