

A photograph of a network cable and a circuit board. The cable is blue with a clear RJ45 connector. The circuit board is green and populated with various electronic components. The background is a solid green color.

Leading the World in
Connectivity Solutions.



- Would you like to reduce the risk, time to market, and cost of your next design project?
- Do you have more design projects than engineers?
- Could you focus more on your core competencies if you had the right design partner?
- Is the lack of connectivity of your products limiting your products' sales potential?
- Are you looking for modular connectivity solutions to future proof your products?
- Would you like a unique outside perspective in your development process?

If your answer

is YES to any of

these questions,

call us.

Solutions

Lab X Technologies

Lab X Technologies is a Rochester, NY based engineering design partner recognized as the leader in connectivity solutions in the professional audio industry. Founded in 1996, Lab X has worked with top audio manufacturers to develop leading edge products that embrace the universal need for connectivity and interoperability. Utilizing a uniquely transparent process, Lab X strives

to develop long term relationships with manufacturers based upon crisp communication, technical expertise, and professional integrity. We serve our clients in a number of different ways; from the augmentation of engineering personnel, to pre-engineered connectivity modules, up to and including turnkey custom solutions and product concepts.

Embedded Programming

- **Embedded Linux** and uCLinux,
 - Applications
 - Kernel development
 - Driver development
- Use of languages in embedded contexts: C, C++, Lua, Assembly, Forth
- Development of event driven user interfaces
- Design of serial control protocols and implementations of embedded parsers
- Interface with various hardware devices:
 - Graphic LCD Displays using Qt for embedded Linux
 - Ethernet chipsets
 - I2S Audio ADCs, DACs, AES-EBU receiver/transmitters
 - Memory devices (FLASH, EEPROM, etc.)
 - SPI and I2C Devices
 - Processor to processor interfaces

Processors

- Xilinx MicroBlaze and Altera NIOS FPGA “Soft Core” processors
- Freescale i.MX and ColdFire® 32 bit microcontrollers
- Cirrus Logic EP930x ARM 9 processors
- Freescale and Intel 8 bit microcontrollers

DSP

- Analog Devices ADSP-2136x SHARC and Blackfin
- Analog Devices VisualAudio Beta Test site
- Texas Instruments TMS67xx and 64xx DSP families
- Freescale 563xx 24 bit DSP families

Hardware Design

- Embedded systems hardware design (timing analysis, component selection, etc.)
- Planar transformer and Switching power supply design
- Analog design
- PoE (Power over Ethernet)
- Schematic capture / review
- PCB layout
- Cost sensitive/manufacturability design experience

More

- Contract Manufacturing partners
- Industrial Design and Mechanical partners
- Design of support applications for manufacturing
- Technical Documentation & Support (to end customers)

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Mission

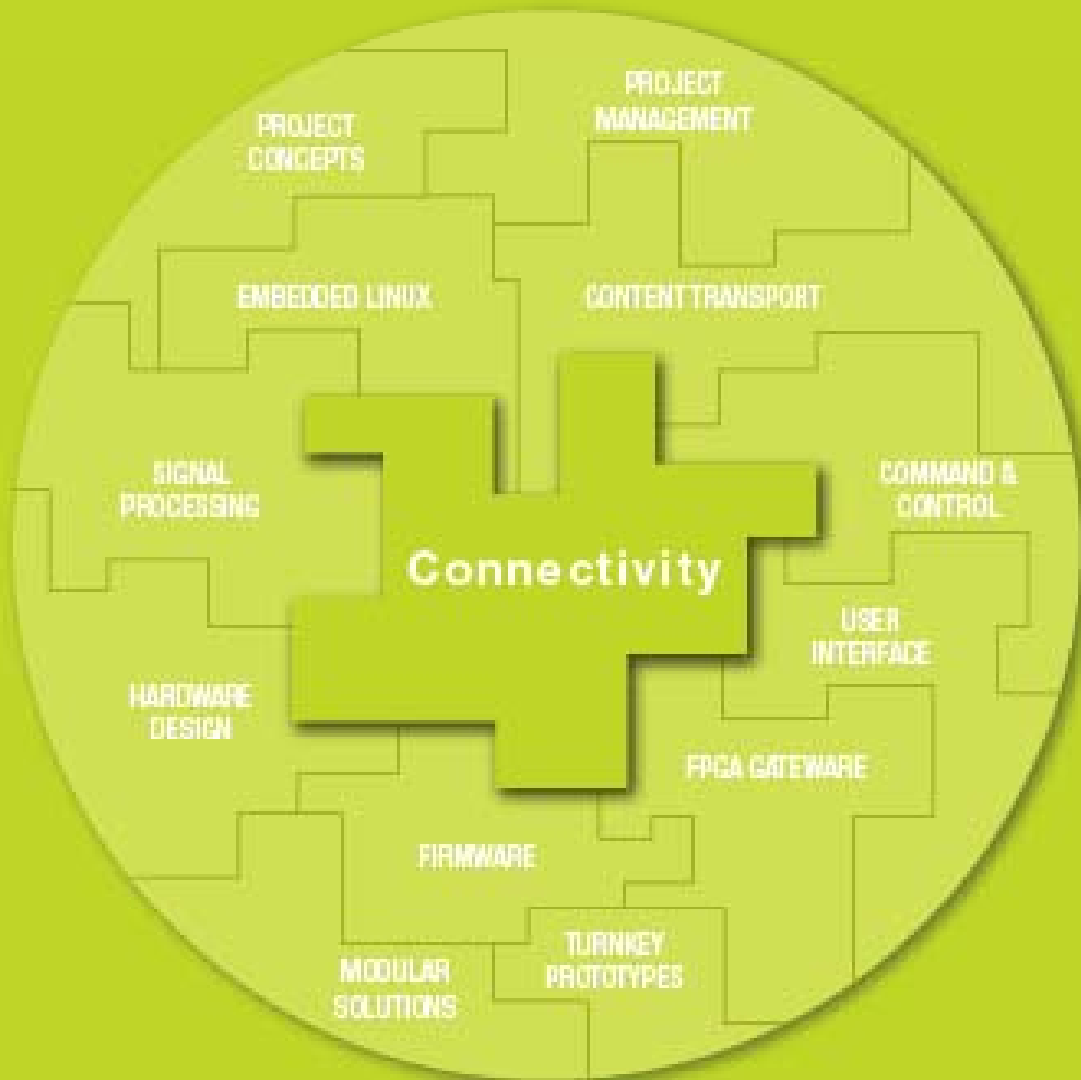
Lab X is a team of passionate technology leaders dedicated to exceptional product realization. We believe connectivity between products is fundamental to our clients' success, industry growth, and meeting the system level needs of their end customers. When we take on a project, we do so with the belief that connectivity is the backbone that enables our clients to provide unique products which strengthen the industry by enhancing end user systems.

We partner with our clients to enhance their core competencies with our engineering, design expertise, and product concepts helping our clients develop new products better and faster than they thought possible. We will not compromise designs. We will deliver the highest quality, robust designs with an eye toward future-proofing.

Our clients are audio (and video) manufacturers who are looking to the future of the industry and develop leading edge products embracing the universal need for connectivity and interoperability.

Our goal is a commitment to design integrity that translates into higher quality products that last longer while providing system level interoperability to improve our clients' profitability. We work in a transparent environment with our clients so they know as much about their project as we do. We are flexible with our client interactions ranging from a tightly integrated approach augmenting our clients' personnel, to a turnkey process.

Your Comprehensive Design Partner



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