RADIC

RADIC Technologies, Inc.

www.radictech.com
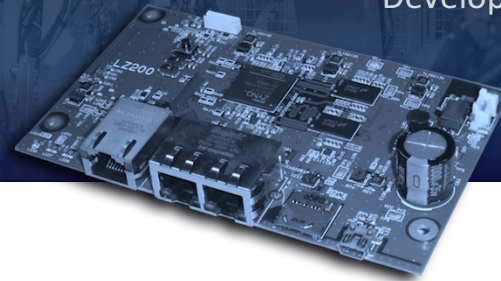
RADIC Technologies, Inc. is an independent small corporation in the heart of Silicon Valley. We specialize in industrial automation, distributed control, and networking protocols. We are the embedded development experts utilizing latest CPU, MCU, FPGA and RTOS technologies.

- Established in 2003 with over 25 years of industry experience
- Exclusive reseller of Koenig-pa GmbH (KPA) in North America since 2007
- Core competency in development of EtherCAT devices for OEM applications
- Offering several forms of EtherCAT master and slave stacks
- Functional Safety and failsafe over EtherCAT FSoE development
- Design and development of control systems for analog and digital processes
- Motion control development using PLCopen standards
- Offering technology research, market analysis and engineering services

LINUX VxWorks XENOMAI
QNX
Nucleus RTOS

EMBEDDED SOFTWARE

Incorporating CPU/MCU, FPGA, and system on chip SoC's for test/measurement and OEM applications in Automation, Robotics, medical and Semiconductor manufacturing equipment.

- Architectural design, device drivers, board support package (BSP)

- Middleware, bus interfaces, glue logic, API and application software

- Linux, Xenomai, QNX, VxWorks, Nucleus, INtime, RTX, FreeRTOS, Bare-metal

- Intel x86, TI Sitara, NXP Power arch, Renesas MCUs, Infineon XMC industrial MCUs

- Xilinx ZYNQ, ZYNQ UltraScale+ MPSoC, Spartan, Virtex, Artix, Intel/Altera Cyclone, Arria
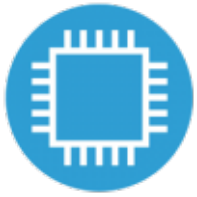
HARDWARE
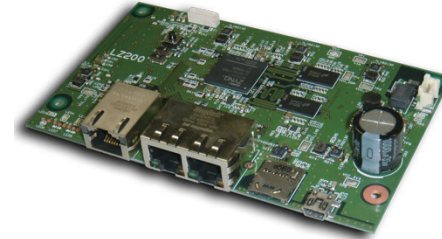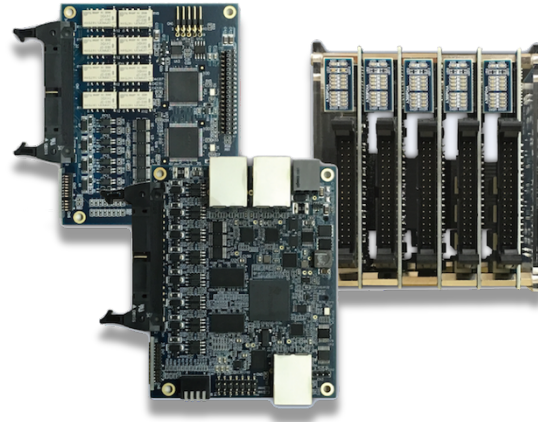
We provide comprehensive engineering services for your electronic development.

- Concept planning, development of requirements and specifications

- Analog and Digital circuit design

- PCB layout and manufacturing via our partners in Asia

- Communication & network interface (RS232/485, USB, I²C, SPI, PCIe, Ethernet)

- CPLD, FPGA, and DSP development

- Prototyping, verification, testing and characterization

- EMI/EMC testing and standards compliance via outside laboratories

AUTOMATION

**Offering Turnkey Automation Solutions**

- KPA Automation Studio – A powerful PC based development environment

- KPA Automation View – Flexible and customizable GUI

- KPA Automation Server – A unified service for data acquisition via OPC UA

- KPA Automation SoftPLC – An IEC 61131-3 PLC programming environment

- KPA Automation Data Analytics – Scalable application with unlimited reports

- KPA Automation Control System – All-in-one products including SW & HW

SOHARD

ARCNET
Boards, Analyzers,
and IP-Core
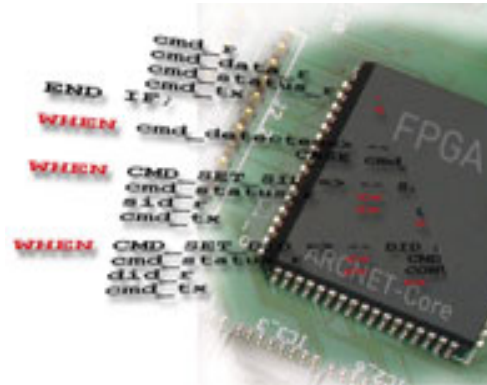
CONNECTIVITY AND INDUSTRIAL PROTOCOLS

- Ethernet Protocols - **EtherCAT**, Ethernet/IP, Profibnet, Modbus/net, OPC-UA
- Functional safety and Safety over EtherCAT (FSoE)
- CAN, CANopen, DeviceNet
- EtherCAT Conformance, ETG Semi TWG Certification Services

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