



# Clarity Design

Clarity Design is a full-service engineering, design, manufacturing and integration company that turns ideas into reality. Since 1991, Clarity Design has created cost-effective, highly manufacturable products for audio/video, medical, industrial, security, retail, telecom, embedded control, and defense applications.

Our design team consists of experienced electrical engineers, software developers, industrial designers, mechanical engineers, PCB designers and project managers. We are experts in the areas of DSP, ARM, FPGA, x86, PSoC, capacitive sense, audio, video, and real-time streaming multimedia applications, low-power portable designs, wireless communications and RF designs. Our software development expertise includes real-time embedded, device drivers, Linux, WinCE, VxWorks, TI DSP/BIOS, security analysis, GUI and application development.

Our IPC-certified PCB designers are experienced in high-speed digital, analog, RF, flex, rigid-flex, chip-on-board (COB), VME, PCI, Compact PCI and PCI Express designs. Our CAD tools include Orcad Capture, Cadence Allegro, Mentor Graphics DxDesigner, PADS PCB, Mentor Graphics Expedition, Altium Designer, CAM 350, Solidworks, Pro Engineer and AutoCAD.

Everything we design is production-ready because of our emphasis on manufacturing. We provide purchasing, BOM risk assessment, kitting, manufacturing test procedure development, test fixture design and fabrication, quick-turn prototype runs, sustaining engineering, and repair depot services.

Clarity Design – Your design and manufacturing partner every step of the way.



## CONCEPT

System Architecture  
Technology Survey  
Risk/Reward Analysis  
Algorithm Development

## DESIGN

ARM, DSP, FPGA Design  
Low-Power Portable Devices  
RF & Antenna Design  
Linux, CE, VxWorks

## PROTOTYPE

Purchasing & Kitting  
PCB Fabrication  
Quick-Turn Assembly  
Programming & Testing

## PRODUCTION

Medium-to-High Volume  
Test Procedure Development  
Test Fixture Design & Fab  
Sustaining Engineering

*For more information,  
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