PCI Express Custom I/O Board

PCI Express make connectivity of expansion hardware features easy. Using a minimum of circuit board routing resources, complex peripheral devices may be implemented on custom I/O Boards. Orchid's experience with PCI Express and Altera FPGA hardware sets your project on a successful course.

Altera Cyclone IV and V FPGA Devices

Altera Cyclone IV and Cyclone V FPGA devices offer low-cost hard-core PCI Express functionality. Custom I/O subsystems on a single cyclone device are possible. Orchid can provide video, communications, high speed computing, data acquisition, and motion control for your custom I/O design.

Intel Atom and Altera Cyclone Design

Intel Atom computer platforms with 'bolt-on' Altera Cyclone FPGA devices make high performance computing with custom I/O features possible at low cost.

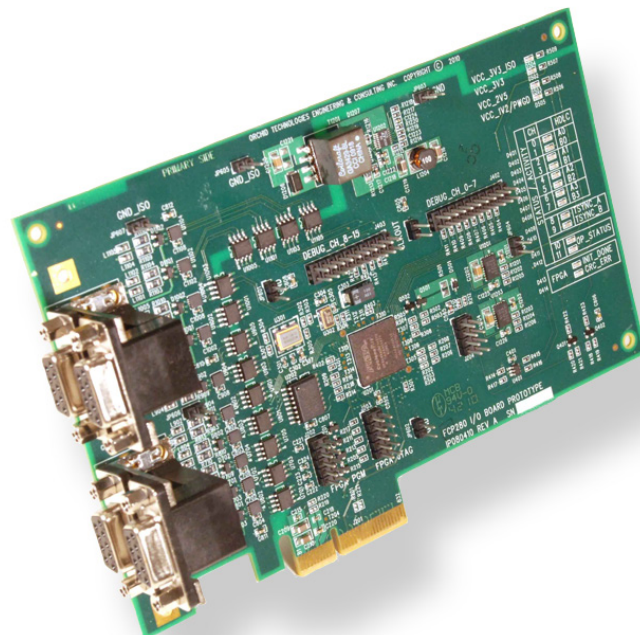PCI Express Lanes → Altera Cyclone IV FPGA → Custom System Connectivity

Orchid Technologies: Altera FPGA Design

The development of custom electronic products for our OEM clients is Orchid's entire business. The design of custom Altera FPGA based controllers, carrier board hardware with rapid design cycles, demanding technical requirements, and unforgiving schedules sets us apart. Call Orchid Technologies today!

More time on the beach and less time in the lab when Orchid Technologies provides custom Altera Cyclone IV IO Boards.

"Altera Cyclone IV was a terrific design choice…And Orchid's rapid development of our custom design really helped. Thanks Orchid!"

- VP Engineering

**ORCHID TECHNOLOGIES
ENGINEERING & CONSULTING, INC.**

Custom Engineering From Concept to Production

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