

Coryell & Wiprud

High Performance DSP Hardware, Software, and Systems

Development Services

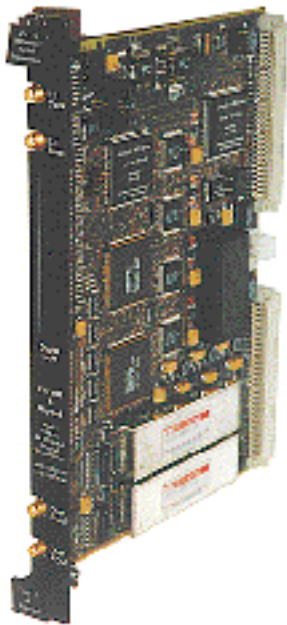
Coryell & Wiprud brings many years of high speed DSP product development expertise towards solving complex signal processing problems. We have developed products based on Graychip's GC1011A Narrowband Digital Receiver, GC1012 Wideband Digital Receiver, GC2011 Digital Filter, GC3011 Resampler, GC4014 Quad Receiver, and GC4114 Quad Transmitter chips.

We have designed digital receivers, hardware and software based modulators and demodulators, resamplers, signal memory systems, and DSP based image processors. These products have resided on PCI, VME, NuBus, ISA, and custom busses. Our designs have taken advantage of most of Graychip's products as well as most of the DSP chip families.

Companies engage us to provide:

- Requirements Analysis
- Systems Engineering
- Algorithm Development
- High Speed DSP Hardware Design
- DSP Software Development
- System Software and Drivers (C++)
- Design Review and Oversight
- Trouble-shooting and Project Recovery

Products



After many years of developing custom and proprietary products for our customers, Coryell & Wiprud is now offering a growing selection of our own products. Our products include the EV-4114, a 4 channel all digital transmitter, and the EV-4014, a 4 channel, all digital receiver. These boards have analog and digital inputs and outputs, interface directly to almost any DSP chip, and are commanded using an EEPROM or RS-232.

The VM-16, pictured at left, is a VME 16 channel digital transmitter board. The board may be commanded over its DSP interfaces, by the VME bus or using RS-232 port. Real or complex modulation data is accepted by the DSP interfaces or via the VME bus. The DSP interfaces include multiple serial, Comm, or Link ports. Two 14 bit, 80 MSPS D/A converters provide analog data, and digital data is provided over two 80 MSPS, 16 bit digital interfaces. Data may be cascaded so all 16 channels are available on a single analog or digital output interface.

For More Information

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