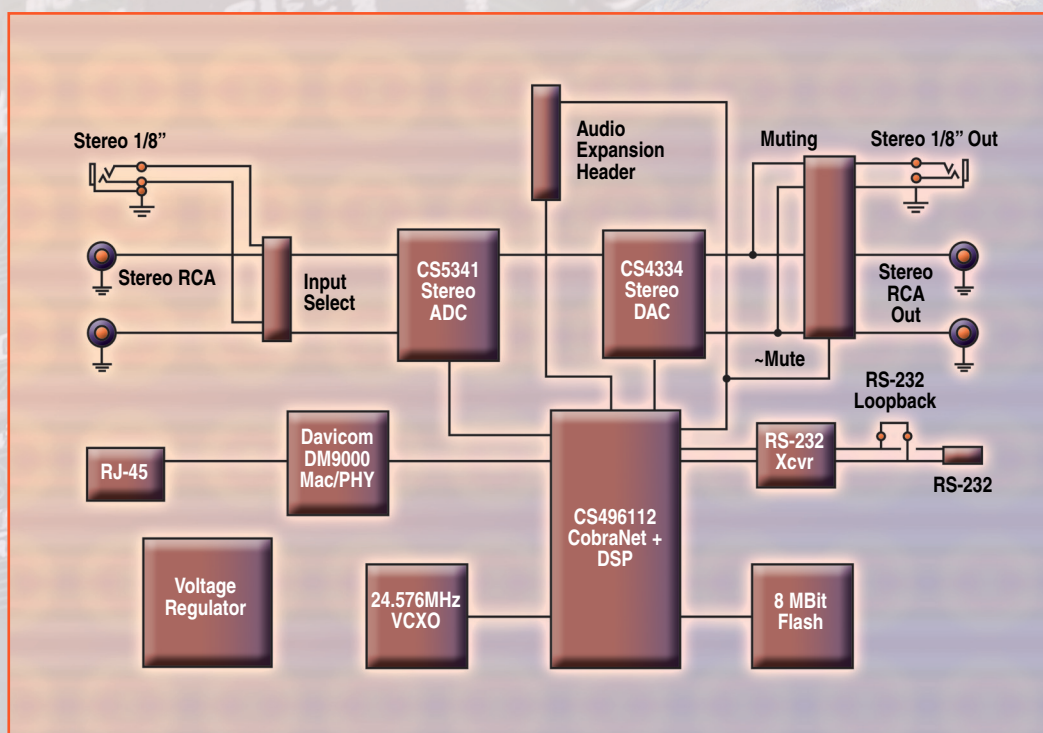




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Introducing the Attero Tech CobraNet CO² Demo Kit

The Attero Tech CobraNet CO² (Cost Optimized 2nd generation) is a low cost evaluation platform for the Cirrus Logic CS496112 CobraNet Digital Audio Networking + DSP device. The CobraNet CO² is a complete CobraNet implementation, including analog stereo inputs and outputs, that shows the ease of providing networked audio with CobraNet and the low component cost with which a CobraNet node can be implemented.



CobraNet CO² Demo Kit Features

- Uses the Cirrus Logic CS496112 to support CobraNet networking and user DSP
- 24-bit stereo A/D converter (Cirrus Logic CS5341) and stereo D/A converter (Cirrus Logic CS4334)
- Both 1/8" stereo mini-jacks and RCA connectors on inputs and outputs
- DB-9 connector for RS-232 serial bridge support
- Supports the Cirrus Logic DSP Conductor software, which allows advanced digital signal processing on the 120 MIPS user DSP in the CS496112
- Stand-alone mode (i.e. no switch/router or PC required) routes audio from one CobraNet CO² board to the other. The PC controlled mode, with the supplied software (requires an optional switch/router), allows simple routing to be done.
- CobraNet CO² physical size: 4" x 4.5" (10.2cm x 11.4cm)

Visit our website: www.atterotech.com

Attero Tech is a Cirrus Logic Certified third party design partner for CobraNet products.
For more information, or to get a quote on your design requirements, Contact:

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CobraNet CO² Demo Kit Functionality

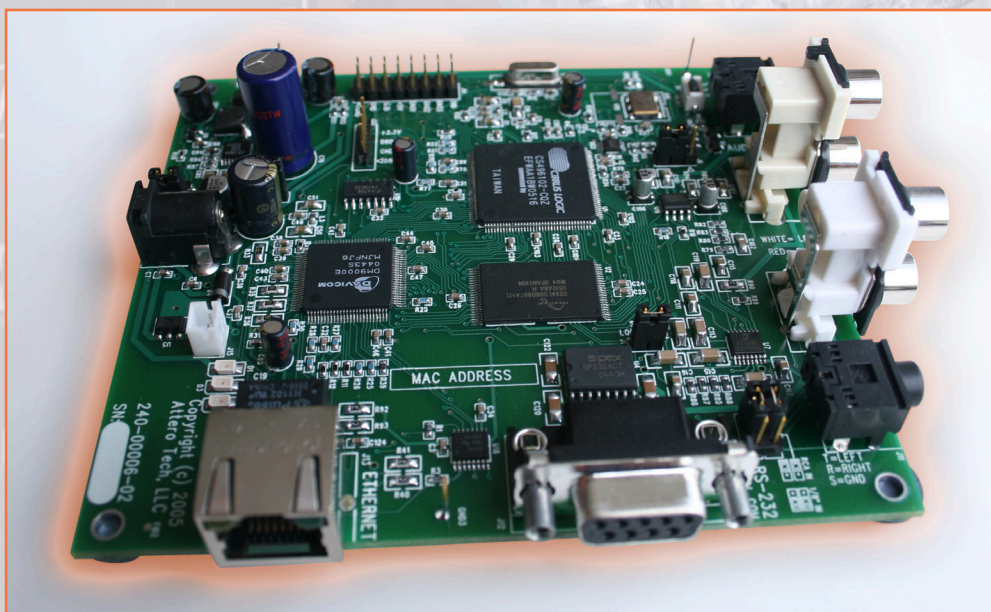
The block diagram shows signal flow on the CobraNet CO² board. Either the 1/8" stereo mini-jack or a pair of RCA connectors may be selected by jumpers to provide analog signal input. A Cirrus Logic CS5341 24-bit stereo A/D converter accepts the analog signals and converts them into digital signals for processing by the CS496112. The input signals are then routed into audio "bundles" to be sent over the network. Similarly, audio signals on the network are routed to the output of the CS496112 and sent to the CS4334 24-bit stereo D/A converter. After passing through muting circuitry, which mutes the outputs if a valid signal is not present, the analog signal is available at both the 1/8" stereo mini-jack and the RCA output connectors.

Interface to the RS-232 functionality of the CS496112 is provided by a DB-9 connector. An RS-232 level translator circuit transforms the RS-232 signal levels to logic levels compatible with the CS496112. A loopback jumper can be used to demonstrate the transmission of serial data from one CobraNet CO² to another and back again. The six other digital audio channels are available on a 2x8 pin header for further expansion.

The CobraNet CO², as shipped, will pass audio from one CobraNet CO² to another through a crossover Ethernet cable. No switch or router is needed. The CobraNet CO² is shipped with easy to use software that allows basic routing and demonstration of the serial bridge functionality. This application requires a switch or router, with a PC and two CobraNet CO²s connected together through the switch or router.

The following items are included in the CobraNet CO² Demo Kit:

- 2 CobraNet CO² boards
- 2 power supplies
- 1 Ethernet crossover cable
- 1 9 pin RS-232 cable
- Software to interface a Windows based PC to the CobraNet CO²s for basic signal routing (requires an Ethernet switch or router, not included).
- Instruction manual (supplied as a PDF file on CD-ROM).



Cost for the CobraNet CO² demo Kit is \$249.00 plus shipping (Us Dollars).