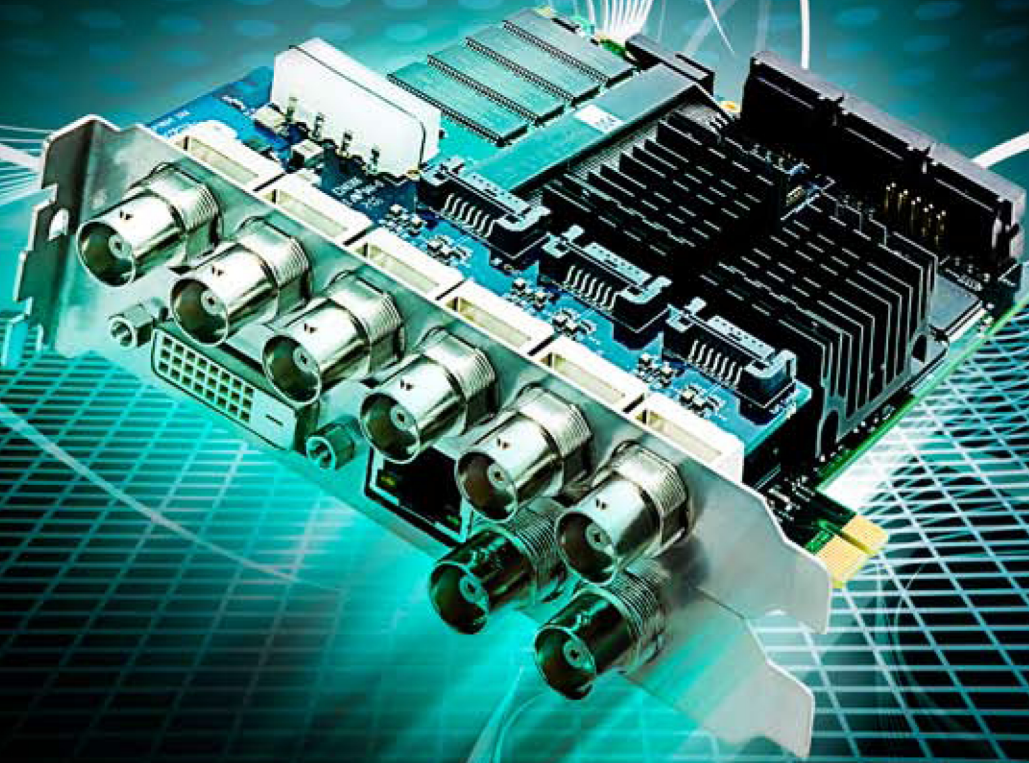
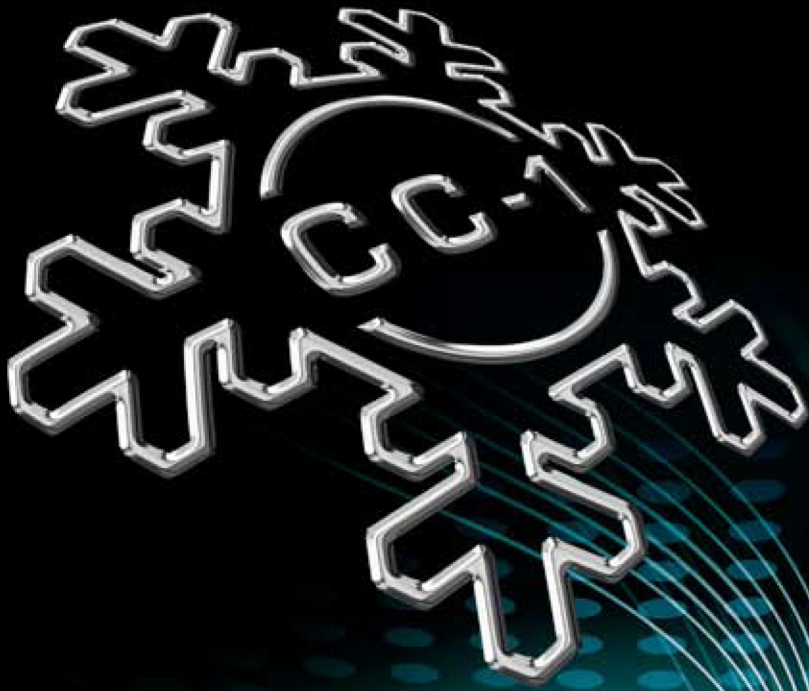


Crystal Core

21st Century
Media Platform



FAIRLIGHT

CRYSTAL CORE TECHNOLOGY PLATFORM

Groundbreaking application of FPGA technology

Fairlight has delivered a breakthrough – a new stream of audio and video products built around its CC-I (Crystal Core Technology). This fresh paradigm processes data in a massive Field Programmable Gate Array (**FPGA**), architected into a purpose-built media processing chip with staggering power and unrivalled performance. A single CC-I card delivers more audio processing capabilities with much lower latency than systems deploying up to **sixty four** of the industry's most powerful floating point DSP chips. The result is a system with fast and precise tactile response, immense processing power, and sparkling audio quality when compared to any other system. It delivers an immediate step change in performance, and becomes the engine for an entire suite of new and futuristic creative applications.

Digital Recording Editing And Mixing supporting expansion, diversity and emerging standards.

Fairlight has introduced the CC-I card with a PC host as the revolutionary **new** processing engine behind its audio mixers and workstations which include the popular Xynergi MPC, Constellation, and Anthem products. With the SX-20 and SX-48 remote I/O boxes, Fairlight offers a wide choice of affordable high quality audio converters to compliment each system.

Guaranteed Performance delivering a “NEW digital standard”

Remember your last analogue system? and how ALL the controls actually worked? Manufacturers of digital systems, have for years been struggling to replicate true analogue performance, instead they have managed to create a false virtue out of “flexibility” and “assignability”. The frustration really begins when you suddenly run out of resources, and then “flexibility” changes to “agonising choices over what to leave out”. Time to shell out a few thousand more on yet another DSP card.

Fairlight has a new approach – **guaranteed performance**. Every channel ALWAYS has a complete set of available processing, parameters just like analogue systems. Better yet, with 36-bit floating point mixing and amazing 72-bit EQ, processing it actually sounds better than any other available technology.

WHY EVEN CONSIDER buying yet another expensive DSP card to squeeze more out of your old system when you can get guaranteed power with lower latency and full processing on every channel from Fairlight's new breakthrough platform. Take away the guess work. Relax in the knowledge that you will never again have to calculate your system's resources. Let the system work for you instead of the other way round.

What can be achieved with just ONE CC-I card ?

230 Super Hi Resolution Audio Channels

8 fully parametric bands of EQ on EVERY channel

3 Stages of Dynamics on EVERY channel

72 User definable mix busses from Mono to 7.1

64 channel audio bridge for 3rd Party PlugIns

Integrated Video track in SD or HD format

Up to 220 physical I/Os per CC-I card, Analogue, Digital or MADI



Truly Open Platform

CC-I goes even further with an integrated 192 track disk recorder and an SD/HD Video track integrated seamlessly into the recording and editing process. All tracks are on-line simultaneously for comprehensive waveform editing using the Binnacle system pioneered by Fairlight. File formats include support for OMF, BWAV, WAV, MP3, SD2, MXF, AIFF, AVI, XML, Fairlight MT and Quicktime to name a few, and with a fully integrated file transfer utility for AAF, Wiretap, Vegas Video, Open TL, AES3 I, PT5.0, DAR, DSP Media, Bitmaps, Cineon and DPX Image Sequences, CC-I is a truly open platform.

Green Computing Technology

Compare the Crystal Core to the DSP rack it replaces:

- Size — reduced from the size of a dishwasher to a module that fits in your pocket
- Power (and Heat) — reduced from 600 watts to 12 watts
- 98% - reduction in heat
- Performance — more features, more channels, less latency, higher resolution
- Cost — slashed
- Reliability — component count reduced by >99%, combined with reduced heat, results in dramatically improved reliability.

