

Mission statement:

GreenArrays, Inc. was founded to further the development of multi-computer chips.

"To use our unique, proven design tools and a simple, green architecture to develop and market fine granularity, low-power solutions to problems difficult to solve using conventional technology."

Organization chart:



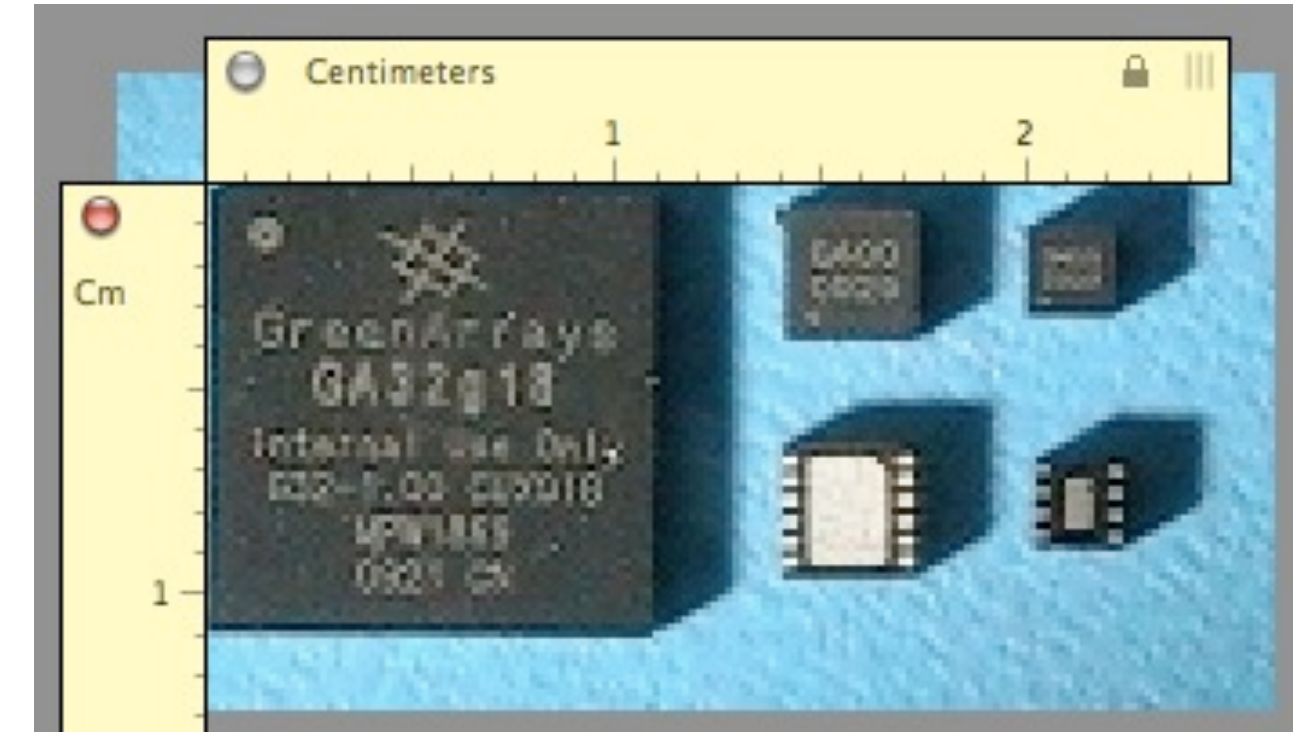
Products:

The **GreenArrays** family of processors was designed to optimize prototyping and minimize production costs.

Technology for small, fast, low-power, robust, and unparalleled versatility

RAM, ROM, timing, wake-up, pads and serial, A/D and D/A ports are all unique

A simple development environment based on colorForth



GA4

A 4-computer chip in an 8-pin package (2 mm sq)
The chip measures 1 mm sq in a 180 nm process



GA4 chip in the 8-pin package with my business card for scale

GA32

A 32-computer chip in an 88-pin package
The chip measures 2.5 mm in a 180 nm process

GA40

A 40-computer chip fabricated at 130 nm

Haypress Creek supercomputer

3.0 x 2.5 inch circuit board

9 S40 multi-computer chips, each with 40 c18 computers

Total of 360 computers running at 700 Mips or 250 Gips

Each chip has 3 A/Ds and 3 D/As, a total of 27 of each



S40 multi-computer chips on top and RAM on bottom

GA144

The GA144 is the most powerful chip we have created to date, with 144 g18 computers and capable of up to 100 billion operations per second. Currently being fabricated as a pre-production shuttle run, and based on results of testing during Autumn of 2009, the GA144 could go to production as early as the start of 2010.

Projects:

- : Move the chips to production
- : Build a **Haypress Creek** like board
9 GA144's (1296 computers)
Make it available with or without SDRAM
Practical engineering workstation for chip design and programming
Complete with TCP/IP support, a rich library of application notes and example code
- : colorForth User's Guide to go with the planned **public** release of a colorForth
There will be a version for each chip, complete with compiler, ROM code, softsim, and IDE
- : Product briefs, data sheets, and a programmer's reference for the GA chips
- : **Earning Money** to pay for all these things!