

Agon Light 2



8-Bit Hardware for Modern Computing Hobbyists

512 Kilobytes Main Memory, 4 Megabytes Graphics Memory
Color VGA output: Up to 64 colors at 512x384, 1024x768 monochrome.
eZ80 Microcontroller main CPU
ESP32-D4-PICO co-processor for I/O
MicroSD storage(16 gigabytes included)
Li-Po battery charger and step-up converter
UEXT connector
GPIO 34-pin connector

Authentic: Actual Zilog and ESP32 chips, not a software emulation or FPGA.

Modernized: More powerful than classic z80 machines. Streamlined “two-chip” design.

Distraction-free: Can run without support from PCs. You control the experience!

Electronics: GPIO support lets you blink lights and trigger sensors.

Programming: Includes BBC Basic, Forth, eZ80 Assembler. C and Pascal available.

Games: Homebrew gaming and retro ports (Pac-Man, Space Invaders...)

Graphics: Backwards compatible with BBC Micro graphics. Bitmaps, sprites, tilemaps, etc.

Sound: 8-bit sampled sound, multi-channel support (tracker music)

Firmware: Graphics and sound are firmware-defined. Upgrades possible with clever coding!

Community: Active community. Design and projects are open-source, full schematics available.

Pre-built machines with keyboard and cables are available in limited quantity.
Ask for price and availability.



<https://triplefox.github.io/cts-agon/>