

Vampire 600 V2 - 128 MB



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Accelerator board with record-breaking speed and unrivalled features.

Signature

- **Target:** Amiga 600 (connects to the CPU socket)
- **Dimensions:** 100 x 66 x 20 mm
- **Designer:** [Majsta](#)
- **Manufacturer:** [Majsta](#) and [Kipper2K](#)
- **Release Date:** Christmas 2015

Specifications

- **FPGA:** Altera Cyclone III
- **CPU:** [Apollo 68080 Core](#) ¹⁾
 - Equivalent to 800MHz 68030 / 400MHz 68040 / 200MHz 68060 ²⁾
- **Memory:** 128 MB FastRAM
- **Chipset:** [SAGA Core](#)
- **Video:**
 - Modes up to 800×600@60Hz, 1600×900@24Hz ³⁾
 - Color depths of 8, 15/16, 24, 32 bits per pixel
 - Hardware-accelerated video playback
- **Internal Ports:**
 - JTAG Socket
- **External Ports:**
 - Digital Video Out
 - MicroSD Card

Board revisions

Rev: 2.2	Added top GND layer.
Rev: 2.1	Added bottom GND layer, introduced via stitching and teardrops, added fiducials and PCB panelization. Implemented Power fix. Implemented Digital Video Out fix.
Rev: 2	First version of the card with 2 SDRAM chips.

More details

- [Peripherals](#)
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- ¹⁾ See "Precision" under [68080 FPU Core](#) for some caveats.
- ²⁾ Exact performance is application-dependent.
- ³⁾ Up to 1280×720@60Hz, 1920×1080@24Hz might be possible in some overclocked boards.

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