Vampire Standalone V4

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Standalone Amiga-compatible motherboard with record-breaking speed and comprehensive upgrades to classic Amiga technology.

Signature

- **Target:** Standalone
- **Dimensions**: 123 x 100 mm
- **Designer:** ceaich
- **Release Date:** 2019

Specifications

- **FPGA:** Altera Cyclone V
- **CPU:** Apollo 68080 Core
  - Equivalent to 1000MHz 68030 / 500MHz 68040 / 250MHz 68060 [1)]
- **Memory:** 512 MB DDR3 RAM
- **Chipset:** SAGA Core
  - 12 MB of fast ChipRAM
- **Video:**
  - Modes up to 1280×720@60Hz, 1920×1080@24Hz
  - Color depths of 8, 15/16, 24, 32 bits per pixel
  - Hardware-accelerated video playback
  - SAGA Native Graphics (AGA with enhanced features and performance)
- **Audio:** 16-bit 56 kHz sampling rate, 24-bit mixing, 16 channels, panning
- **Networking:** 100BASE-TX Fast Ethernet
- **Internal Ports:**
  - 44-pin Fast IDE Interface
    - Up to 18 MB/s data transfer speed [2)]
  - JTAG Socket
  - 2 x SPI-capable Expansion Ports
  - I2S-capable Expansion Port
  - I2C
  - 68k Bus Expansion
- **External Ports:**

- Digital Video/Audio Out
- MicroSD Card
- 2 x USB-A
- RJ45 Ethernet
- 2 x DB-9
- Mini-B USB (board power)

More details

- Peripherals
- Stickers
- Troubleshooting
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[1] Exact performance is application-dependent.
[2] Speed boost depends on the highest PIO mode supported by the storage device.