

Atari Falcon 030 -The Talented Home Micro!

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Released in 1992, Falcon030 was Atari's last computer. The Falcon was well ahead of its time, by featuring the MC68030 plus the powerful 56001 DSP, and by offering 24-bit graphics and 8-channel stereo sound (50 kHz).

- *In the UK, it was sold for £599 with 1MB RAM and for £999 with 4MB RAM and a 65MB hard disk*
- *It is estimated that only 29,000 Falcon computers were ever sold (plus 10,000 C-Lab)*



THE FALCON 030 AT A GLANCE

Falcon features the 32-bit Motorola 68030, clocked at 16 MHz and the Motorola 56001 DSP clocked at 32 MHz (16 MIPS). Falcon offers a 1.44MB built-in floppy disk drive and supports both the IDE and SCSI bus for connecting hard disk drives and CD-ROMs.

- Motorola 68030 CPU (16 Mhz), 5.76 MIPS
- Motorola 56001 DSP (digital sound processing), 16 MIPS
- 16-bit data bus / 24-bit address bus
- Videl video graphics (24-bit)
- 16-bit Blitter at 16MHz
- 8 stereo channels (50 kHz)
- 1/4 MB Ram (max 14 MB) and 512K ROM
- TOS 4.01/4.02 and Multi-TOS Operating Systems

- 1.44 Mb 3.5-inch Floppy disk (PC compatible)
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Related Models

In 1995, C-Lab purchased the rights to the Falcon hardware and started to produce their versions.

- C-Lab released the Falcon Mk I, Mk II, and Mk-X (with TOS 4.04)
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Main Graphical Modes

- 640 x 480 SVGA with (256 colors / 65,535 colors)
 - 320 x 480 True color VGA (32,768 / 65,535 colors)
 - ST/STE graphic mode compatibility
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Sound Capabilities

The sound capabilities of the Falcon are really amazing:

- 8 stereo channels (50KHz)
 - Yamaha Y3439 chip (3 channels) for backward compatibility with Atari ST
 - Compatibility with the two 8-bit PCM channels of the STE
 - Built-in speaker and headphones out
 - Built-in MIDI ports
 - Microphone-in
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I/O Ports

The Atari Falcon 030 offers a lot of ports, including a 2.5-inch IDE internal HD.

- 2× 9-pin mouse/joystick ports
- 2× analog joystick (compatible with STE and Jaguar)
- 2.5-inch IDE - internal HD
- 1.44 MB 3.5-inch PC compatible Floppy disk - internal

- External SCSI-II connector
 - ROM/Cartridge port
 - 2x serial ports
 - Bidirectional LPT port
 - Local area network port
 - DSP port
 - MIDI IN and OUT
 - Stereo microphone for recording (1/8" mini-jack) & Headphones out (1/8" mini-jack)
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Atari falcon 030 Upgrades

There are plenty of Falcon 030 upgrades, including a 68060 accelerator:

- 2.5-inch IDE - internal HD
 - Gotek drive (internal)
 - [NETUSBEE](#)
 - FPU 68881/68882
 - IDE and SCSI bus for connecting external hard drives and CD-ROM drives
 - 68060 accelerator
 - [VGA high-resolution out](#)
 - Many more
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Suitable Monitors

You can connect the Falcon 030 to TVs, VGA, and other monitors.

- TV mono output
- VGA monitor (with adapter)
- 15 kHz RGB monitor
- Atari SM124 monitor (adapter)
- Atari SC1224 color monitor (adapter)



Falcon 030 Shops

These are some online shops around the world for Falcon users:

- <https://centuriontech.eu/product/f030vga-r2/>
- <https://www.arananet.net/pedidos/product/falcon-vga-adapter-with-multisync-switch>
- <https://www.exxoshost.co.uk/atari/store2>
- <https://www.best-electronics-ca.com/falcon.htm>
- <https://lotharek.pl/productdetail.php?id=277>

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