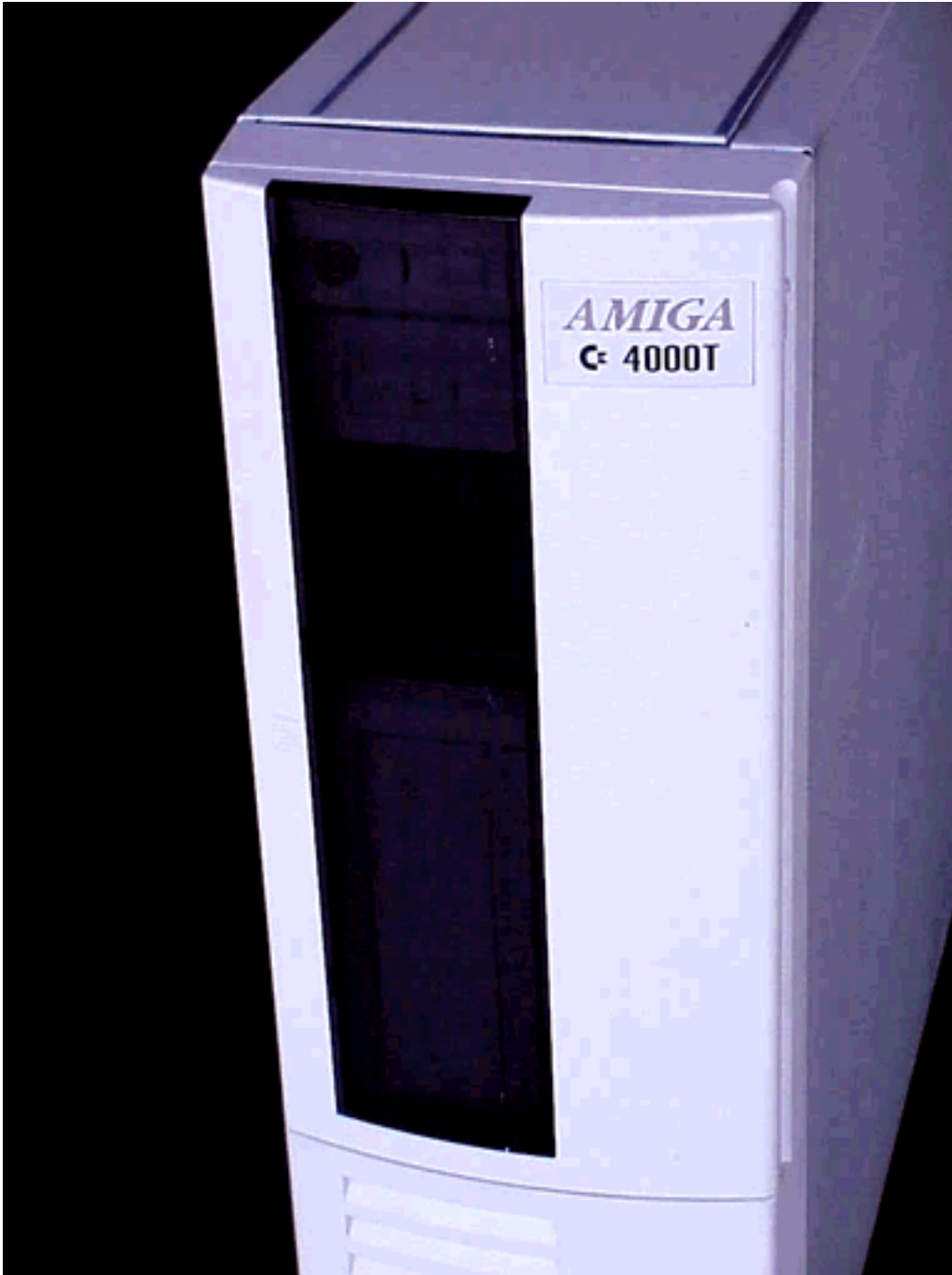


Models & Clones

Commodore: A4000T



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[Image of Disk Module, Amiga Technologies version](#) - 105K

[Image of Disk Module, Commodore version \(blank PCB\)](#) - 62K

[Image of I/O Module, Front Commodore version](#) - 51K

[Image of I/O Module, Back Commodore version](#) - 272K

[Image of Audio/Video Module, Amiga Technologies version](#) - 92K

[A4000T Rev 4 Motherboard](#) - 1228K

[A4000T Rev 4 Motherboard, Front \(Blank PCB\)](#) - 1099K

[A4000T Rev 4 Motherboard, Back \(Blank PCB\)](#) - 1056K

[Hi Res Version, A4000T UK Keyboard](#) - 76K

[Picture of A4000T drive rail, Image 1](#) - 8K

[Picture of A4000T drive rail, Image 2](#) - 7K

[Motherboard Jumper Diagram](#) - 20K

[Disk Module Jumper Diagram](#) - 10K

Standard Specifications

NOTE: These specifications apply to the A4000T made by Commodore, and do not necessarily apply to the A4000T made by Amiga Technologies.

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Case Type:	Full Tower
Processor:	040@25Mhz (via Commodore A3640)
MMU:	Internal
FPU:	Internal
Chipset:	AGA
Kickstarts:	V3.1 (Two ROM chips)
Bus Controller:	Super Buster Rev 11
Expansion Slots:	5 x 100pin Zorro III slots 2 x AGA Video Slots (both inline with Zorro slots) 4 x Inactive 16bit ISA slots (3 inline with Zorro slots) 1 x 200pin CPU Fast Slot
Standard CHIP RAM:	2MB (Surface Mounted)
RAM sockets:	4 x 72pin SIMM slots
Hard Drive Controllers:	1 x 3.5" IDE Controller 1 x SCSI-II Controller
Drive Bays:	5 x 5.25" (3 Horizontal, 2 Vertical, all with faceplates)
Expansion Ports:	1 x 25pin Serial 1 x 25pin Parallel 1 x 23pin RGB Video 2 x 9pin Joystick/Mouse 2 x RCA Audio (Left/Right) 1 x 3.5mm Headphone 1 x 50pin External SCSI 1 x RCA Composite 1 x 5pin DIN Keyboard
Floppy Drive:	1 x Internal 1.76MB Floppy Drive.
Motherboard Revisions:	Rev 4
Battery Backed Up Clock:	Yes (Coin shaped lithium battery). Two terminals are also available for attaching an external battery

The A4000T from Commodore only saw a limited production of machines (estimated at 200) before they went bust in 1994. North American units were manufactured in West Chester, Pennsylvania whilst European units were assembled in Bensheim, Germany. The A4000T is arguably the best Amiga model ever made. It is easy to assume that the A4000T is simply the same motherboard as the desktop A4000, but this is not the case. The A4000T uses a totally separate motherboard. The A4000T is intended to be a large AT form factor motherboard and infact appears to use a standard PC AT power supply. Unlike the desktop version, the A4000T also includes a SCSI-II controller on the motherboard in addition to a 3.5" IDE controller. This is why the A4000T uses a slightly different version of Kickstart 3.1 compared to other Amigas (including the A4000). It contains the drivers for the SCSI-II controller in ROM and in order to allow it to fit, workbench.library was moved from ROM, supplied on the Workbench disks and is loaded from LIBS: like any other disk based library. The A4000T also contains an internal speaker for native sound output, however external speakers and headphones can also be used. The speaker can be

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disabled or enabled by pressing the button labelled "Turbo". The case also contains a reset button as well as a key lock. The A4000T also uses coin shaped lithium batteries unlike most Amiga models which use the barrel shaped batteries. The A4000T contains 4 x 72pin SIMM slots for adding up to 16MB of RAM in addition to the 2MB of Chip RAM surface mounted on the motherboard. SIMM sizes of 1MB, 2MB, 4MB and 8MB can be used. Please note, than even though it is possible to use 8MB SIMMs, you are still limited to 16MB on the motherboard. If 8MB SIMMs are used, only 2 SIMMs can be used and they must be inserted in alternate slots. All of the external connectors in the A4000T reside on little cards which in turn connect to the motherboard. This means they could easily be replaced or upgraded and infact some companies did release alternate cards for the small PCB containing the video related ports. The A4000T uses the 5pin DIN keyboard connector, unlike the PS/2 style connector which the A4000 uses. Unusual for Amigas, the A4000T does NOT have an external floppy drive connector, however two internal drives can be used.

Jumpers

Jumper	Setting	Function
J100	Pins 1 and 2	CLK90 Clock Source is Internal
	Pins 2 and 3	CLK90 Clock Source is External
J104	Pins 1 and 2	CPU Clock Source is Internal
	Pins 2 and 3	CPU Clock Source is External
J151	Pins 1 and 2	ROM Speed is 200ns
	Pins 2 and 3	ROM Speed is 160ns
J300	Pins 1 and 2	SIMMs are 4MB or 8MB
	Pins 2 and 3	SIMMs are 1MB or 2MB
J212	Pins 1 and 2	Select NTSC
	Pins 2 and 3	Select PAL
J500	Pins 1 and 2	Sync on green
	Pins 2 and 3	Sync on green disabled

Disk Module Jumpers

Note: The small PCB where the serial port, parallel and video port are connected also contains a 50pin connector. This is actually a terminator for plugging the end of the SCSI cable into

Jumper	Setting	Function
J250	OFF	No second internal floppy or second floppy (DF1:) is High Density 1.76MB
	ON	Second internal floppy (DF1:) is Double Density (880K)

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