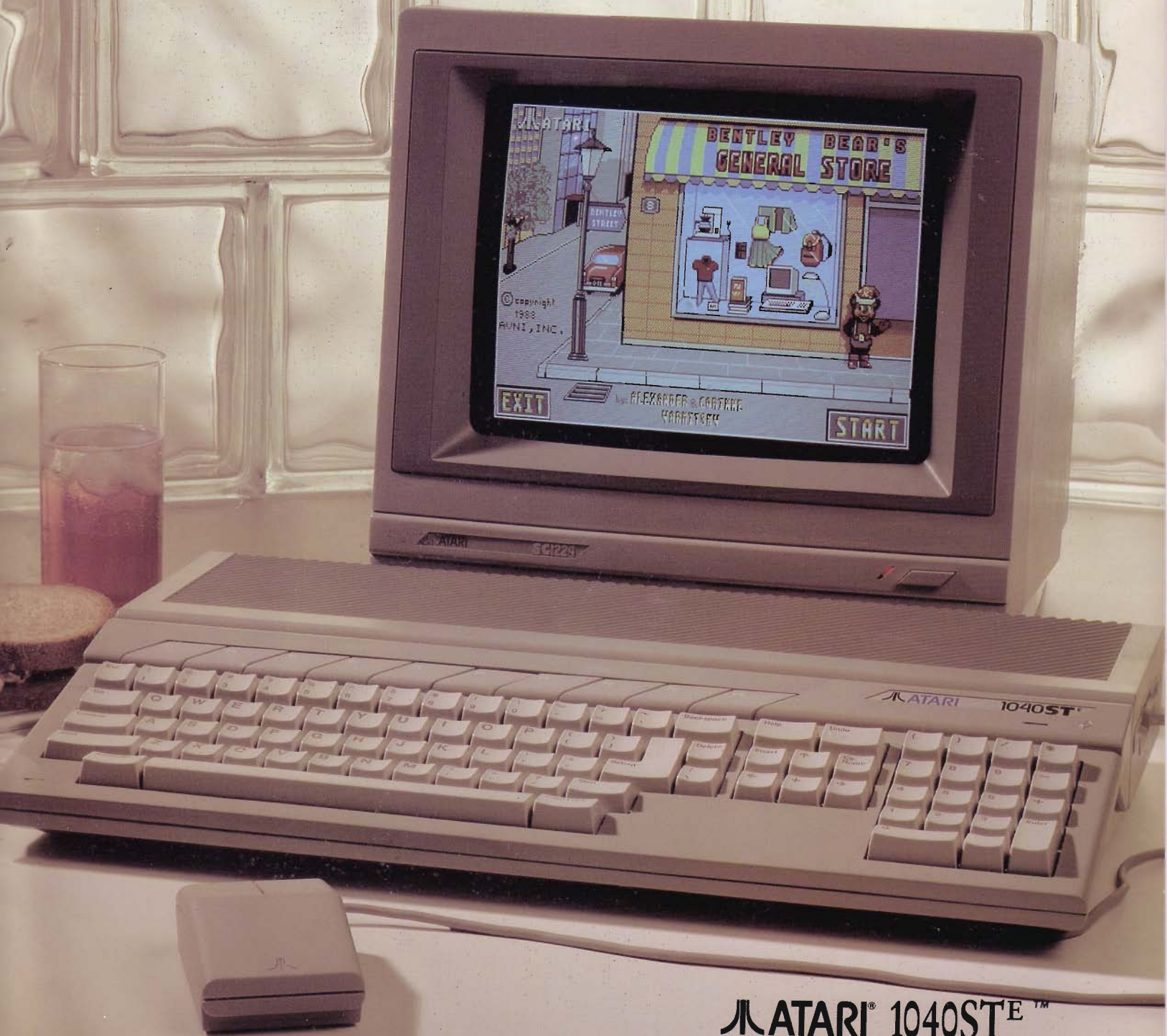


At home.
For families.



ATARI® 1040ST[™]

ATARI 1040ST^E

The Atari 1040ST^E provides a powerful system for the home user or small business person—without the price. Based on the 68000 processor, with many of the same features as Atari's MEGA™ computers, the 1040ST^E presents a good choice for new computer users. New features—like the extended color palette and digital stereo sound—make the ST^E ideal for entertainment and desktop video applications.

Atari's mouse-driven interface is easy to learn. The GEM® operating environment is built in—making it possible for anyone to access the power of the ST^E. Just point and click!

The Atari ST^E systems feature 1 Mb of memory, an internal double-sided 3½" floppy disk drive, serial and parallel ports, built-in MIDI (Musical Instrument Digital Interface) ports, and two standard stereo jacks. The computers can be easily connected to any television or video device, in addition to standard Atari color or monochrome monitors.

Important Features

- 1 Mb RAM
- Internal floppy disk drive
- Keyboard and mouse included
- BLITTER™ for faster graphics
- Rainbow TOS™ and GEM in ROM
- Built-in MIDI ports
- Serial and parallel ports
- External GENLOCK capability
- 8-bit digital stereo sound
- Connections for:
 - second floppy disk drive
 - hard disk drive
 - TV or VCR
 - color or monochrome monitor
 - light gun/paddle/enhanced joystick
- Palette of 4096 colors
- Horizontal and vertical hardware scrolling

Ordering Information

The Atari 1040ST^E processor, keyboard, and floppy disk drive is a single, compact unit. You will also receive a mouse controller, RF cable, TV switchbox, and manual.

Technical Specifications

Architecture

Central Processing Unit: Motorola™

68000 running at 8 MHz

Memory: 1024K RAM; 256K ROM;

supports 128K external ROM cartridge

Data storage: built-in 3½" floppy disk

drive, storage capacity 720K (formatted);

(second floppy disk drive and hard disk drive optional)

Graphics/Sound

Monochrome: 640x400 pixels maximum

Color: 640x200 pixels x4 colors or 320x200

pixels x16 colors (selectable)

Palette range: 4096 colors

Full bit-mapped display: custom

BLITTER chip for faster operation

ST sound: 3 programmable sound chan-

nels, volume; dynamic envelope shaping

Digital sound: 8-bit digital stereo sound

with programmable sample rates from 6.25 to 50 KHz

User Interface

Keyboard: standard QWERTY typewriter format; separate cursor key cluster and numeric keypad; 94 keys (including 10 function keys); internal processor; variable auto-repeat and key-click response

Mouse: 2-button control; removable ball for easy cleaning

Input/Output Ports (built-in)

Printer: 8-bit parallel

Modem: RS-232C; 50-19,200 baud

Floppy disk drive: 250 Kbits/sec

Hard disk drive (DMA): 10 Mbits/sec

MIDI: In/Out/Through; 31.25K baud

Mouse and joystick

Light gun/paddle/enhanced joystick

RF modulator

Twin stereo jacks

Operating System

Rainbow TOS™: in ROM; hierarchical file structure, ST^E palette support

GEM operating environment: icons;

multiple windows; window sizing/posi-

tioning/scrolling; drop-down menus

Standard software: ST BASIC™

Desk accessories: VT®-52 terminal

emulation; Control Panel; RS-232C port

and Install Printer configuration control

Physical Characteristics

Dimensions: 2.75H x18.75W x11.5D"

Weight: 9.5 lb



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