For a limited time only, you can own an Altair® 8800 Computer kit with 4,096 words of memory, new Altair multi-port interface, and revolutionary Altair BASIC language software, for just $695. A savings of up to $114!*

Computer. The Altair 8800 is the best-selling general-purpose computer in the world today. It is a parallel 8-bit word/16-bit address computer with an instruction cycle time of 2 microseconds. It was designed for almost unlimited peripheral and memory expansion, using a bus system where all input/output connections merge into a common line. The Altair 8800 is capable of addressing up to 65,536 words (bytes) of memory. Regularly priced at $439 for a kit and $621 assembled.

Memory. The Altair 4K Memory Board provides 4,096 words of dynamic random-access memory for the Altair 8800. Contains memory protect circuitry, and address selection circuitry for any one of 16 starting address locations in increments of 4K. Access time is 200-300 nanoseconds. The entire 4,096 words of memory on the board can be protected by switching to PROTECT. Regularly priced at $195 for kit and $275 assembled.

Interface. Your choice—either the new Altair 88-2SIO serial interface or the new Altair 88-4PIO parallel interface. The serial interface can be ordered with either one or two ports and the parallel interface can be ordered with up to four ports. Add $24 for an additional 88-2SIO port kit. Add $30 for each additional 88-4PIO port kit.

Each port of the new serial interface board is user-selectable for RS232, TTL, or 20 milliamp current loop (Teletype). The 88-2SIO with two ports can interface two serial I/O devices, each running at a different baud rate and each using a different electrical interconnect. For example, the 88-2SIO could be interfaced to an RS232 CRT terminal running at 9600 baud and a Teletype running at 110 baud. An on-board, crystal-controlled clock allows each port to be set for one of 12 baud rates. The 88-2SIO is regularly priced at $115 kit and $144 assembled.

Each port of the new parallel interface board provides 16 data lines and four controllable interrupt lines. Each of the data lines can be used as an input or output so that a single port can interface a terminal requiring 8 lines in and 8 lines out. All data lines are TTL compatible. The 88-4PIO regularly sells for $86 kit and $112 assembled.

Software. Altair 4K BASIC leaves approximately 725 bytes in a 4K Altair for programming which can be increased by deleting the math functions (SIN, SQRT, RAND). This powerful BASIC has 16 statements (IF . . . THEN, GOTO, COSUB, RETURN, FOR, NEXT, READ, INPUT, END, DATA, LET, DIM, REM, RESTORE, PRINT, and STOP) in addition to 4 commands (LIST, RUN, CLEAR, NEW) and 6 functions (RND, SQRT, SIN, ABS, INT, TAB, and SCN). Other features include: direct execution of any statement except INPUT: an ‘‘@’’ symbol that deletes a whole line and a ‘‘←’’ that deletes the last character; two-character error code and line number printed when error occurs; Control C which is used to interrupt a program; maximum line number of 65,529; and all results calculated to seven decimal digits of precision. Altair 4K BASIC is regularly priced at $60 for purchasers of an Altair 8800, 4K of Altair memory, and an Altair 1/I/O board. Please specify paper tape or cassette tape when ordering.

* Savings depends upon which interface board you choose. An Altair 4K BASIC language system kit with an 88-2SIO interface regularly sells for $809. With an 88-4PIO interface, this system sells for $780.