



BUILD A COMPUTER KIT AND SAVE

KB05 FULLY ENCODED KEYBOARD

Eliminates messy wiring between keyswitches and encoder. The KB05 is a full featured keyboard kit fully encoded for all 128 ASCII characters. Based on a design published in ELEKTOR November, 1978, it is an ideal low cost keyboard for microcomputer use. This clever design uses a single sided PCB to connect the switches and the encoder IC and few links are required. The kit includes 2 spare user definable keys and a metal mounting bracket to hold each switch accurately in place. The switches are supported on this bracket not on the PCB as with inferior designs. Spare mechanisms, cursor option and number pads are available.



KB05 encoded keyboard kit \$84.00
KB06 cursor option \$4.95
KB07 number pad \$11.95

EA2650 STARTERS KIT

Described in EA May, 1978, this is an ideal project ideal for the beginner or educational applications. The kit comes complete with all instructions for assembling and running the 2650 computer, all components including 2650 microprocessor, PIPBUG ROM and 1K of RAM. The kit can be expanded to 4K and requires a serial terminal such as the EA LOW COST VDU detailed below. Sample programs are included for you to run and a cassette interface can be readily added so that programs can be stored on low cost cassettes.



EA2650 starters kit \$65.00

EA LOW COST VDU SELLOUT!

This low cost stand alone VDU was described in EA February, 1978. Accepts parallel ASCII input and produces 16 lines with 32 characters per line with onboard sync generation and video driver. Supplies direct video to a converted TV set or to an RF modulator if required. The kit includes sockets for the RAM and character generator IC's, all components plated thru PCB, and step by step instruction manual.

EA VDU sellout (until stocks cleared)
\$75.00 save \$22.50!!

All prices include sales tax and are subject to change without notice. Our full technical support and service backup is available on all these kits.

Mail Orders: Box 355, P.O. Hornsby 2077. Please allow \$2.00 towards post and packing.

Applied Technology Pty. Ltd.,
1a Pattison Ave., Waitara N.S.W.
(9 to 5 Mon. to Sat.)

DG640 VDU ON S-100 BUS

A most professional unit for serious micro-computer users. Features 16 lines and 64 characters (32 with strap select), upper and lower case with chunky graphics and full S-100 bus standard.

This is not a half kit! The DG640 kit includes:

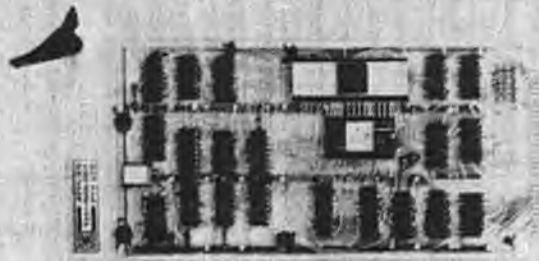
- professional quality plated thru hole PCB with hard gold edge connector.
- all prime quality guaranteed components.
- sockets for all integrated circuits.
- 12,000M/C crystal.
- comprehensive owners manual (54 pages) describing assembly, troubleshooting, and operating software for 2650, Z80, 8080, 6800.



DG640 kit \$149.50 (PCB with manual \$35.00)

EUROCARD 2650 SINGLE BOARD EXPANDABLE 2650 COMPUTER

This professionally engineered 2650 single board computer is the answer to all those who want a systematically expandable computer system. The DB1001 uses a simple E58 bus which is readily adapted to S100 and Z80 bus requirements. The DB1001 uses the 2650A chip and has fully buffered address and data lines, on board 1K operating system in Eprom (PIPBUG SUPPLIED but easily reprogrammed), 1K RAM and a crystal controlled clock on a top quality plated thru PCB with hard gold edge connector. Readily expanded on the E58 bus for more memory, I/O and will accept floppy discs and high speed printer. The kit is supplied with all components, owners manual and full service backup. A conversion kit for the EA2650 is available.



DB1001 single board computer \$135.00
(\$35.00 PCB with manual)
DB1001/EA2650 conversion kit \$99.00

DB1008 8K STATIC 2114 RAM

A very useful add on memory module to support the DB1001 computer on the E58 bus, this 8K RAM is fully buffered and has been arranged as 2 4K blocks with DIP switch address boundary selection. The kit is supplied with all components, sockets for all memory IC's and a plated thru PCB with hard gold edge connectors and full instruction manual.



DB1008 8K memory kit \$175.00
(\$35.00 PCB with manual)

EPS100 ECONOMY POWER SUPPLY

This popular modular power supply kit is ideal for use with micros. Based on the EA "BRUTE" power supply the EPS100 supplies 5V @10A regulated, +, - 12V @1A regulated as well as unregulated 8V, +/-16V for the S100 BUS. The module includes an on board heatsink which must be mounted on a suitable metal case for adequate heatsinking.



EPS100 power supply kit \$60.00

ET1632 UART/BAUD RATE GENERATOR

Converts serial to parallel and parallel to serial. This low cost baud rate generator can be used for any speed from 50 to 9600 BAUD (continuously adjustable with multi turn trimpot) and can be set for 5 to 8 bits per character with 1 or 2 length stop bits. Requires +5V, -12V, and kit includes all components and 40 pin socket.

632U with full instructions \$18.50

ETI 630 HEX ENCODER/DISPLAY

This simple kit includes a pair of 4 bit encoder latches driving large .5" digits to display the HEX equivalent of any 8 bit data word. Ideal for troubleshooting and also programming in machine code.

ET1630 HEX DISPLAY \$14.50

SECI CASSETTE INTERFACE

This reliable unit is easily aligned without a CRO and is KANSAS CITY STANDARD useable up to 1200 Baud. The SECI uses top quality multturn trimpots for accurate long-term timing adjustments and is supplied with the clock preset to 4800 Hz. A computer generated test tape is included so that you can readily check the operation at any time. Connects directly to a low cost tape recorder and has TTL level input/output for connection to the microprocessor. Requires +5V and provision for optional regulator has been made on the PCB.

SECI Cassette interface kit \$24.50

DB1048 4/8K ROM BOARD WITH HIGH SPEED CASSETTE INTERFACE

This card supports the DB1001 on the E58 bus and has provision for 2708 or 2716 EPROMS. Included on the board is a software controlled cassette interface (300 characters/sec!) controlling two tape recorders with full file handling. The DB1048 is supplied with a preprogrammed EPROM with the tape interface software, a utility tape with useful routines, all components plated thru PSB and owners manual.



DB1048 ROM Board/Cassette interface \$130.00



Hands-on microprocessor experience from day one...

The Instructor 50.



Learning by doing is still the best method of education. And when it comes to learning about the world of microcomputers, you won't find a better method than the Instructor 50.

It's the fast, ready-to-use learning device that immediately provides "hands on" experience for gaining microprocessor knowledge - in your home, office, or in the classroom.

The Instructor 50 is a COMPLETE package - including a power supply, a LED prompting display, and both functional and hexadecimal keyboards. You also get S-100 compatibility for adding memory and other peripherals. This lets you expand the machine's capability - and your microprocessing applications knowledge. Moreover, you can easily build a program library by recording your own audio cassettes.

The Instructor 50 comes complete with a *Users' Guide*, along with step-by-step

**one cassette supplied with each Instructor 50*

instructions for those with no previous microprocessor experience.

Signetics offers one of the broadest choices of microprocessors in the industry. This knowledge stands behind the Instructor 50. When you need to learn about microprocessors, start with Signetics. Start with Instructor 50.

We can help you
understand microprocessors.

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