

DIAB Information

JAN 1986

DATABOARD

4680

SHORT FORM CATALOG

DATA
INDUSTRIER AB

This is a short form catalog which details the main items of the DataBoard 4680 microcomputer system as of January 1986. DataBoard 4680 is a system in steady progress where new technology, new components and new software is continuously integrated. A new short form catalog will therefore be issued approximately twice a year. If you don't find what you are looking for in this catalog, please refer to our General Price List which comprises every item of the DataBoard system down to the smallest cable.

Processors Boards

1004

Z80 4 MHz Single Board Computer with on-board space for up to 24 kbyte memory. Z80 SIO provides for two serial channels which can be used as V24/RS232 or 20 mA current loop through adapter boards.

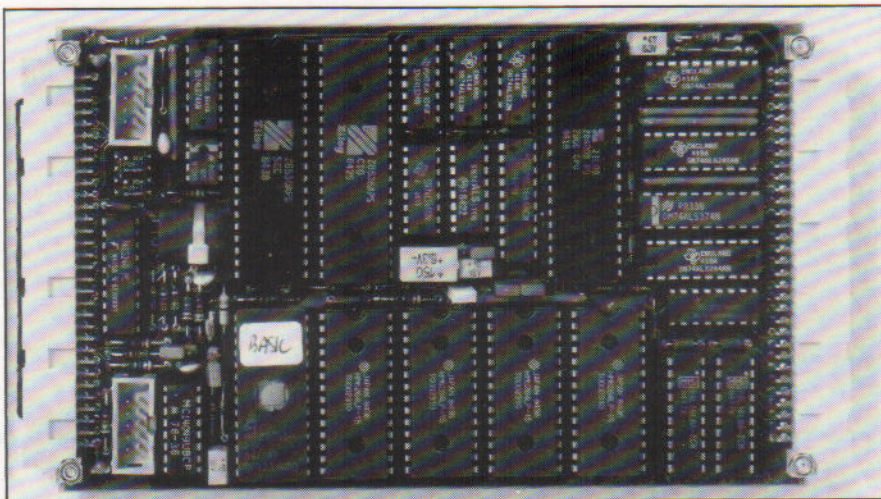
1006

Z80 6 MHz Single Board Computer with on-board space for up to 64 kbyte memory in a mix of RAM/CMOS-RAM/EPROM. A SCC chip provides for two serial ports which can be used as V24/RS232 or 20 mA current loop through adapter boards. Supports I/O bus interrupts in 8 levels. 1006 can be equipped with a 256/1024 bits EEPROM.

1045/1046

A computer based on two boards where one board (1045) is the CPU and the other one (1046) is an I/O handling controller board. The Double Board Computer is equipped with a Z80 4 MHz processor and handles 256 kbyte of primary memory. DMA allows for rapid data transfer between primary memory and Winchester unit. Eight I/O interrupt levels and eight program controlled interrupt levels. D-RAM refresh included.

Single Board Computer 1006 equipped with SBC-DOS 8297



1009

10 MHz Single Board Computer based on the 68008 CPU with 256 kbyte of D-RAM and space provided for 128 kbyte of EPROM memory. An SCC provides for two serial ports which may be used as V24/RS232 or 20 mA current loop through adapter boards.

NEW

Memory Boards

2005

128 kbyte memory board with D-RAM chips designed for use with Double Board Computers.

2009

A universal memory board designed to accept one to eight ByteWyde 28 pin memory chips. CMOS-RAM/RAM/EPROM can be used. Power-fail module may be connected.

Mass Memory Controllers and Interfaces

4104

Adapter board for 1/2" tape units with the Pertec Microformatter interface

4112

A universal controller with on-board CPU for one to three 5 1/4" or 8" floppy disk drives.

4105

SASI adapter designed to match Winchester units with built-in controllers to Double Board Computers.

4107

Controller (with on-board CPU) matching Winchester units with controllers to Single Board Computers.

Interface Boards

4001

Centronics interface for printer connection

4004

Communication processor with on-board Z80 CPU and 64 kbyte of memory (two DMA's) and two V24/RS232 ports.

4027

GPB adapter with one channel (connection according to IEEE488).

4117

One V24/RS232 UART channel for asynchronous communication.

4118

Two V24/RS232 with two UART's for asynchronous communication. Galvanic isolation with opto-couplers and separate DC/DC converter (option).

4179

Two V24/RS232 designed with one SIO for synchronous/asynchronous communication with Double Board Computers.

5124

One serial channel with built-in modem. Transfer speed 300/300 baud, 1200/75 baud or 75/1200 baud. Auto answer and auto call functions are software selectable.

Parallel Input/Output Boards

4005

16 outputs, open collector, 24 V/125 mA, and 8 inputs, TTL.

4006

32 outputs TTL, tristate, and 16 input, TTL.

4085

32+4 inputs, TTL, and 2 outputs, TTL.

4011

16 inputs, 12-24 V, with galvanic isolation through opto-couplers.

4095

16 outputs, transistors, 24 V/0.8 A, with galvanic isolation through opto-couplers. Fully protected outputs.

4103

16 relay outputs with switch-over contacts. Maximum output capacity is 100 V and 1 A (maximum power handling is 20 W).

A/D and D/A Converters

4083

Two separate D/A converter channels with analog outputs at 12 bit resolution. Outputs for 0-10 V and 0-20 mA.

4084

Four separate D/A converter channels with analog outputs at 8 bit resolution. Outputs for 0-10 V and 0-20 mA.

4115

32 analog single-ended (or 16 differential) inputs with a choice of 8 or 12 bits resolution. The board can be selected to accept 0-1 V or 0-10 V input signals.

Special Boards

4002

Control board for one DC motor. Positioning information is obtained from a two-phase angular sensor. The output signal is $\pm 0-10$ V. Equipped with an on-board processor controlling speed, acceleration, retardation, position lock-up, etc. Inputs provided for limit and emergency stops.

4066

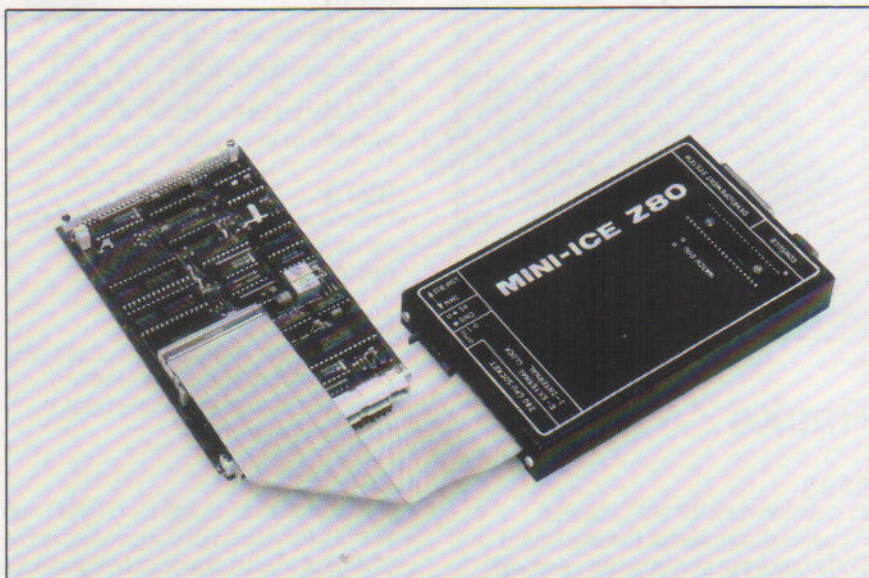
Stepper motor control board for two four-phase motors. Equipped with two processors controlling speed, acceleration, retardation, etc, for each motor.

5085

Power booster for 4066 with galvanic isolation. Enables direct connection of motors ranging up to 24 V and 1 A.

4050

128 kbyte bubble memory. Can be used under OS8MT as well as SBC-DOS.



Mini-ICE for program development, here connected to the SBC 1004

7106

High resolution graphic boards kit with a 512x512 pixel picture memory and eight colours. Based around the NEC7220 graphics processor having primitives for lines, circles, zoom, etc. Has RGB output with sync.

NEW

5059

Power-fail module enabling simple supply voltage monitoring. Designed to be equipped with rechargeable batteries as CMOS-RAM back-up.

4012

Real time clock with one year calendar and battery back-up.

5068

V24/RS232 adapter for use with Single Board Computers with two serial SIO channels. Installed as an extension to the SBC.

5140

V24/RS232 adapter for use with Single Board Computers with two serial SCC channels. Installed as an extension to the SBC.

5075

20 mA current loop adapter for use with Single Board Computers or UART serial interface boards. Installed as an extension to the SBC.

Development and Servicing

5001

Prototyping board.

5070

Prototyping board with bus interface.

5138

Extension board.

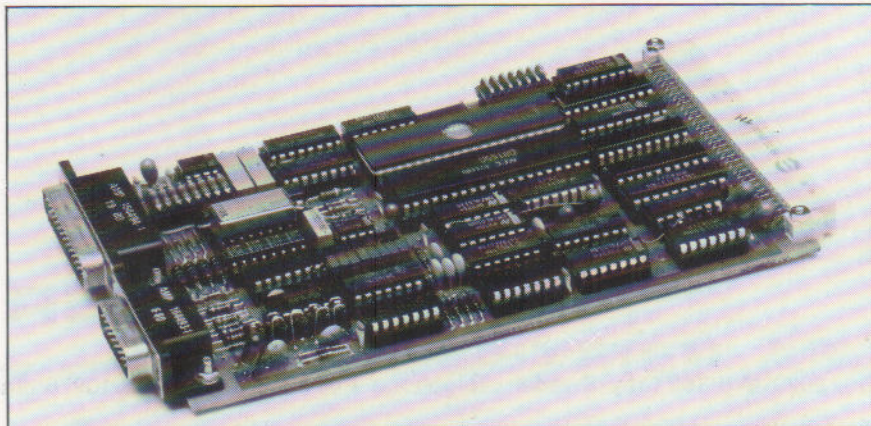
5071/5063

EPROM programmer for 2716-27128 EPROM's. Employs EPROM adapter 5063 with zero-force socket.

7045

Mini-ICE. Mini-In-Circuit-Emulator for Z80. Designed to simplify program and hardware testing in Single Board Computer applications.

4002 - an advanced motor control board with onboard processor





NEW

Racks

6293

21 position rack for 19" cabinets. Primarily designed for Double Board Computers but may also be used with Single Board Computers.

6083

21 position rack for 19" cabinets. Houses 20 I/O boards or Single Board Computer with I/O boards.

6620

Seven position board cage for small system designs.

NEW

Software

8297

SBC-DOS including Basic for the Z80 Single Board Computer 1006. SBC-DOS and the associated Basic (stored in EPROM) makes it possible to develop programs directly within the Single Board Computer. It is also possible to transfer application software into EPROM thus enabling execution without the need for mass memories. SBC-DOS is compatible with ABC-DOS.

NEW

8298

Optional package for SBC-DOS including software support for HR graphics, GPIB, interrupt handling, etc. May be used in disk based systems or in EPROM systems.

8275

Development package for SBC-DOS containing assembler, linker and debugger.

8000-10

OS8MT is an advanced multitask/real time/multiuser operating system designed for use in Double Board Computer systems.

8000-00

Development package for OS8MT with assembler, linker, debugger and object modules which allow for configurations for specific applications. OS8MT may also be applied as a development environment for Single Board Computers based on the Z80.

7026

MP-Basic. A user-friendly multiprocess development package for up to ten simultaneous processes with inter-process communication. Comes with development and run-only interpreter in EPROM.

8013

PROM-Basic. Programs developed in Basic II under OS8MT or SBC-DOS can be stored in PROM. PROM-Basic operates without an operating system in single board computer 1004. Comes with interpreters in three different sizes.

8227

Pascal for SBC-DOS.

8020

Fortran 77 for OS8MT.

8015

D-Basic for OS8MT.

8025

Pascal for OS8MT.

8075

IBM2780/3780 BSC protocol for batch communication (OS8MT).

8076

IBM3270 BSC protocol for interactive operation (OS8MT).

8077

IBM3270 SNA/SDLC protocol for interactive operation (OS8MT).

8079

Univac UTS4000 protocol for interactive operation (OS8MT).

DataBoard 4680 is a complete system. This means that the system does not only comprise boards and software. Here you will also find all the peripheral devices you might need, for instance power packs, racks in special designs, cables, etc. The system also comprises floppy disk drives, hard disks and a line of other accessories.

Our price list will provide you with further information. Please call one of our agents or us for further information.

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