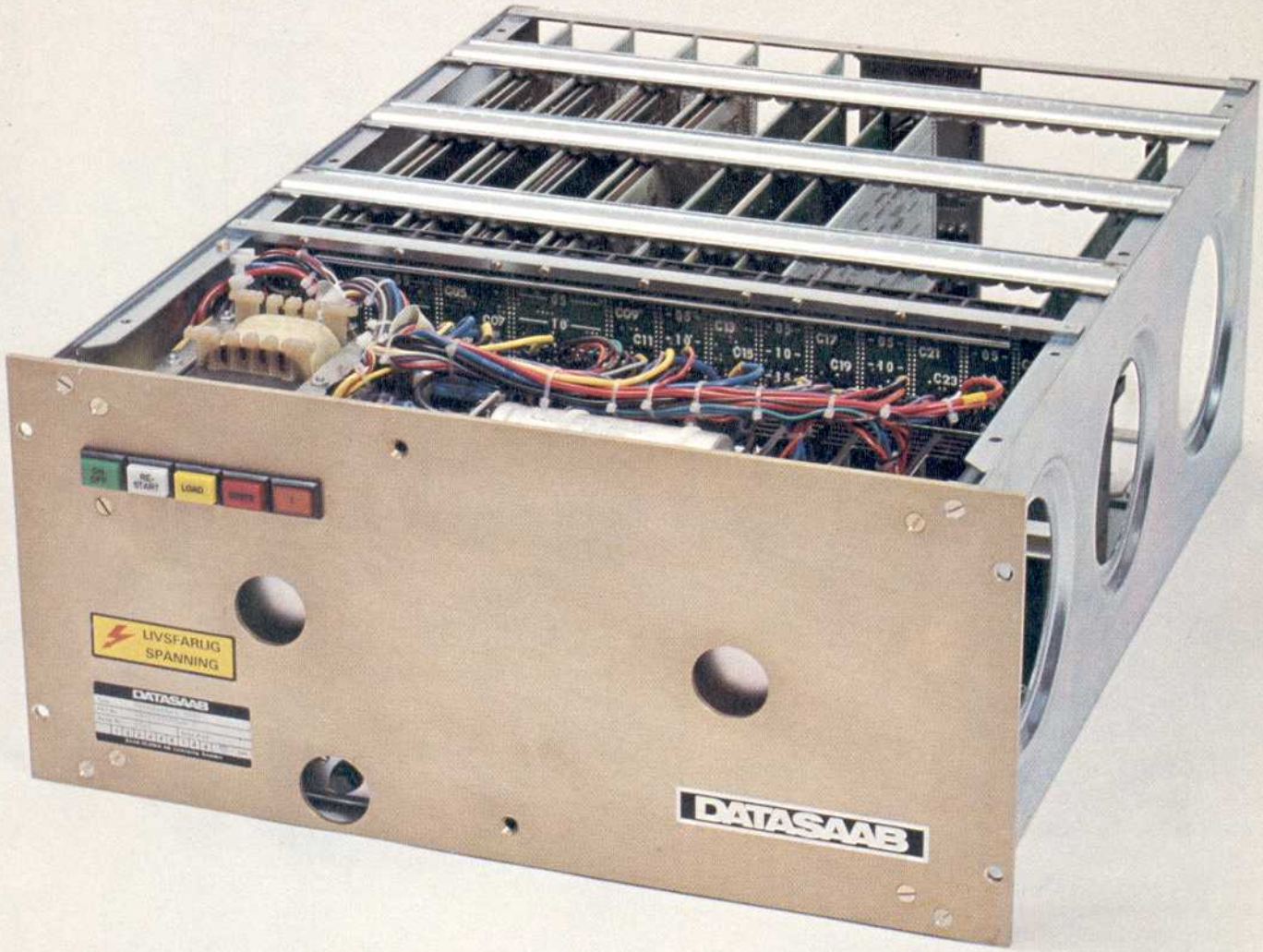
COMPUTER 5020



DATASAAB

Computer 5020

Technical Characteristics

Max. storage capacity	32 K octets
Format	8 and 16 bits
Cycle time	1.33 microseconds
Power supply	Connected to mains
Power requirements	175–400 W
Weight	25 kg
Dimensions (width×depth×height)	482×575×221 mm

General

Computer 5020 is a member of the computer family designed to control and supervise Datasaab terminal systems.

Computer performance is optimized to provide control of up to ten work stations, secondary storage media such as half inch magnetic tape, cassette tape and flexible disk, and data communications.

The computer's instruction set and the use of the DIL programming language specially developed for terminal applications enables maximum utilization of storage space effectively cutting overall storage requirements to a minimum.

Computer 5020 comprises:

- Central Processing Unit
- Input/Output Channel
- Input/Output Controller
- Power Supply Unit
- 19″ chassis including front plate

Peripheral equipment is connected via controllers or adapters.

The following modules can also be located in the computer:

- Four Storage Module Boards 5231 or 5232 with 4 K or 8 K octets each respectively.
- Local Bus Adapter 5455
- Ten 1/4 boards or five 3/4 boards for adapters, transmission adapters, interval timer etc.

There are different casings for the computer depending on extension requirements. Computer 5020 can also be housed a cabinet (5321). In addition to the computer, the cabinet can house a cassette tape unit and a modem or an extra cassette tape unit. Cooling is obtained by a fan unit.

Function

The instruction set comprises 28 operations

- Binary arithmetic according to the twos complement method
- Storage consists of 4 K or 8 K octet modules. It is provided with manually activated write-protection.
- Stored data is not lost in conjunction with a power failure.
- Eight cells in storage are used as general registers. Three of these can be used for indexing.
- Read only storage module for program loading is included as standard.
- Program controlled transfer between computer and peripheral units for checking terminal work.
- Transmission adapter for synchronous/asynchronous data transmission with up to 4 800 bits/s

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