

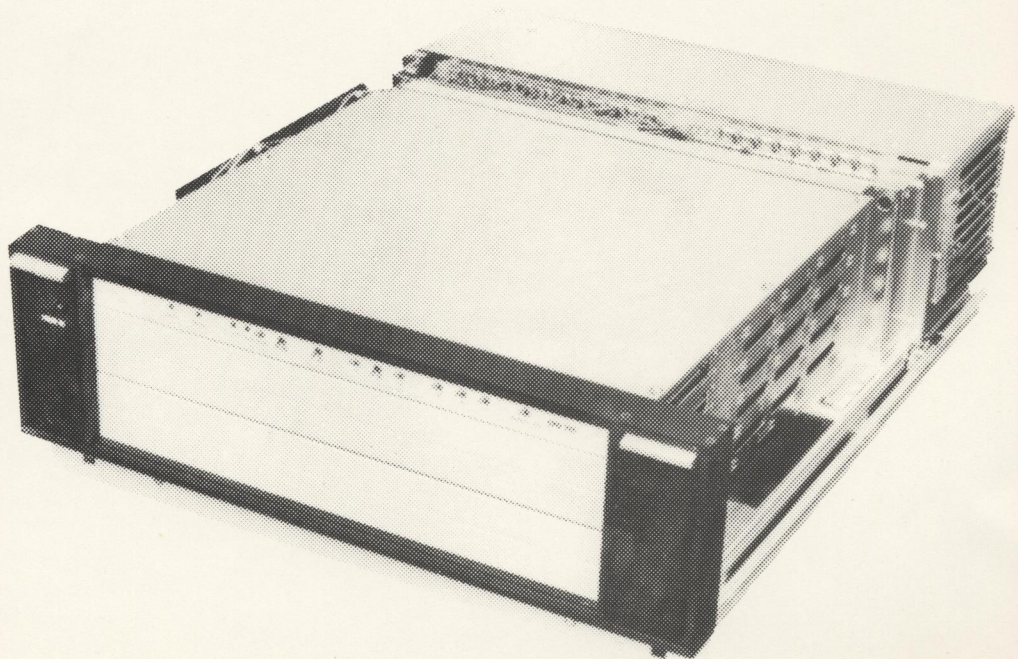


RC 3703

Central Unit

Internal Store

- 16-BIT WORD LENGTH
- MEMORY BYTE PARITY CHECK
- DMA CHANNEL
- REAL TIME CLOCK
- COMPACT UNIT



GENERAL

The RC 3703 is a 16-bit general purpose, four accumulator, microprogrammed computer.

The CPU provides indexed, base page, relative and multilevel indirect addressing modes and can directly address 64 K bytes of memory.

Each word in the memory is 18 bits in length, the two last bits are parity bits which are checked during each memory read cycle and generated during memory write cycles.

A direct memory access (DMA) channel is provided to enable rapid data transport between memory and peripheral devices.

Sixteen interrupt levels are provided to allow extensive peripherals management.

The real-time clock feature of the RC 3703 CPU generates a sequence of pulses that is independent of the timing of the processor.

The unit is provided with 64 K bytes (fixed size) internal store.

SPECIFICATIONS

| | |
|-------------------------|--|
| Memory cycle time: | 600 nanoseconds per 16-bit word (18-bit with parity) |
| Memory capacity: | 64 K bytes semiconductor |
| Max. DMA transfer rate: | 700 K bytes per second |
| Standard features: | Real-time clock |
| Program load features: | Programs may be loaded from one of the following medias: 9-track magnetic tape 8-channel paper tape 80-column punched cards (for RC 3671C or RC 3672C) Flexible disc Disc cartridge Disc pack Image Load (F102) |
| Ambient temperature: | 10 - 40 °C (50 - 104 °F) |
| Relative humidity: | 20 - 80% (non-condensing) |
| Power consumption: | 400 W, 220 V AC |
| Heat dissipation: | 345 kcal/h (1375 BTU/h) |
| Mounting: | Any 19" cabinet |

DIMENSIONS

| | |
|---------|----------------------|
| Height: | 17.7 cm (7 inches) |
| Width: | For cabinet mounting |
| Depth: | For cabinet mounting |
| Weight: | 22 kg (48 lbs) |