

CAMAC BOOSTER ("CAB"SYSTEM)

A versatile Microcomputer for High Rate Camac Data Acquisition
Technical Presentation

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"CAB" is a microprogrammable system, using fast TTL bit-slice technology, designed to improve the capabilities of a standard Camac data acquisition chain. It can be implemented as crate controller, branch driver, or computer to Camac (or GPIB to Camac) interface. It is well adapted to a wide range of complex applications, such as software triggering, event filtering, data compaction and formatting, equipment calibration and monitoring.

The basic software includes a cross-assembler, an emulating-program and an interactive debugger. Improvements are now under development.

To-day, more than 15 units are used in different labs.

This paper reports the present status of the project in the software and hardware point of view.

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