

CAMAC Equipment

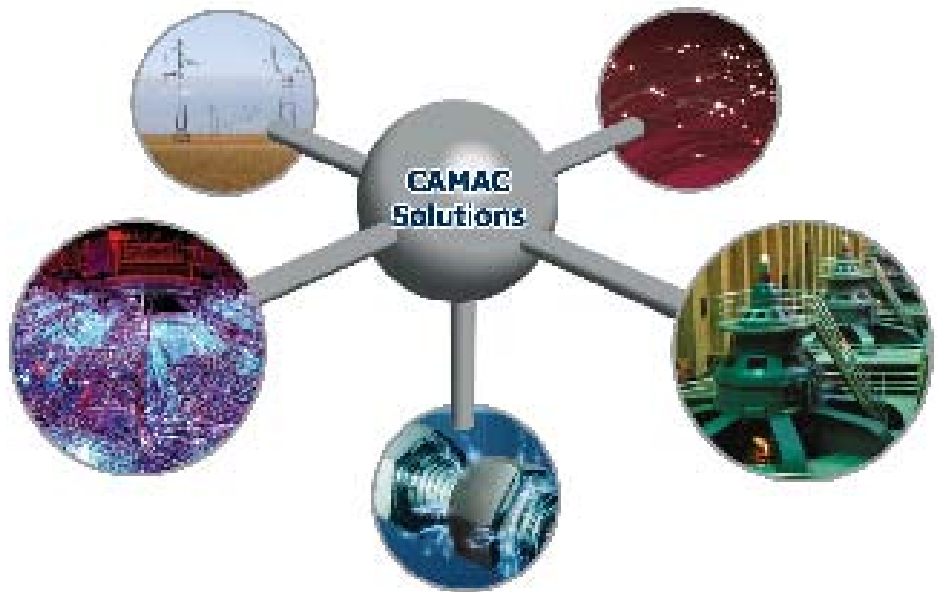
CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

Since 1969, CAMAC has been used in many thousands of scientific, industrial, aerospace, and defense test systems around the world.

APPLICATIONS

General-purpose data acquisition
Several data sources, each connected to one or more strobes
Keyboard interface

3470 24-bit Input Register w/Strobes



The Model 3470 is a single-width module with a 24-bit register for holding binary input data.

FEATURES

- 24-bit data input register
- Front-panel switch to select external strobe or continuous load mode of operation
- Six independent 4-bit registers with strobe
- LAM status bits for interrupt-driven systems



GENERAL DESCRIPTION

The Model 3470 is a single-width module with a 24-bit register for holding binary input data. The module consists of six 4-bit registers, each having a strobe to allow independent latching of data from various sources. The strobes can be paralleled to allow strobing wider data words from one source. The incoming data is latched two microseconds after the negative going edge of the strobe, which allows the strobe to be generated simultaneously with the data in the external device. The Read command causes the entire 24-bit register to be gated onto the Dataway. Internal strobing of the data is allowed on command, and an input gate (continuous load) mode of operation is selectable by a front-panel switch.

INTERRUPT CAPABILITY

A LAM status flip-flop, associated with each of the six external strobes, becomes set two microseconds after the negative going edge of the strobe. The six LAM status bits are OR'ed and can be enabled to produce a LAM request. Which strobe caused the LAM request is determined by reading the LAM status register with the F(0)•A(0) Read and Clear command.

INPUTS

All external connections are made via the 36-pin edge connector located above the Dataway connector. All inputs (data and strobe) are low-true with a TRUE input being represented by an impedance to ground of less than 500 Ohms. (Noise amenity improves as the impedance to ground is reduced.) Ground-connected relay contacts, TTL outputs, and common emitter transistor circuits are satisfactory sources of data. The inputs are diode-protected, and voltages applied to the input terminals may safely range between ±10 volts.

POWER REQUIREMENTS

±6 Volts — 600 mA

WEIGHT:

.70 kg. (1 lb. 8 oz.)

ACCESSORIES

- | | |
|----------------------------|------------------------|
| Model 5960-Z1A or 5960-Z1B | Mating Connector |
| Model 5230 | Keyboard |
| Model 1850-P1D | Rack Termination Panel |

ORDERING INFORMATION

MODEL	DESCRIPTION
3470-P1A	24-bit Input Register with Strobes
3470 P1B	24-bit Input Register with Strobes for use with 5230 Keyboard

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