



# MODEL IO-612

## DUAL 24 BIT PARALLEL INPUT/OUTPUT REGISTER

### FEATURES

- ◆ 24 Bit Input/Output with Handshake
- ◆ 48 Bit Input
- ◆ 48 Bit Output with Open Collector TTL Drivers
- ◆ 48 Front Panel LEDs
- ◆ External Strobe Indicates When Each Register Has Been Overwritten.

### DESCRIPTION

The IO-612 Parallel Input/Output Register is a single-width CAMAC module which contains two 24 bit registers to transfer data between the crate Dataway and an external device. The IO-612's external data lines are bi-directional. When a register bit is cleared to zero, the corresponding external line can be read as input data from the external device.

Simultaneous input and output operation is possible using one register for input and the other for output. This simplifies both hardware and software requirements by eliminating the need to install and address independent modules.

Data outputs are negative true, open collector drivers capable of sinking 37 milliamps at + 5 V. An external strobe signal for each register indicates when it has been overwritten.

Data outputs are available on two 31 pin front panel connectors, one for each register. 48 front panel LEDs provide visual display of both registers.

### APPLICATION

Transfers up to 48 bits of data between the CAMAC Dataway and an external device.

### SPECIFICATIONS

#### OUTPUTS

Open Collector TTL, 1 sink = 37 mA Strobe output pulse width equal to Dataway S1

#### MATING CONNECTORS

Front panel connectors are two double density 31 pin Cannon 2DA - 31P. Mating connectors are not included. Order PN 70501/76006/70524. Two per module.

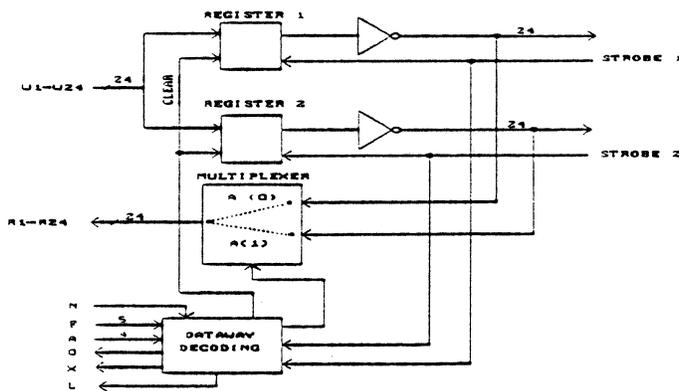
#### COMPUTER COMMANDS

F(0)A(0): Read Register 1 onto Read lines 1

F(0)A(1): Read Register 2 onto Read lines 1

F(16)A(0): Overwrite into Register 1 from Dataway 1

F(16)A(1): Overwrite into Register 2 from Dataway 1



IO-612 Block Diagram



ACTUAL SIZE