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KineticSystems

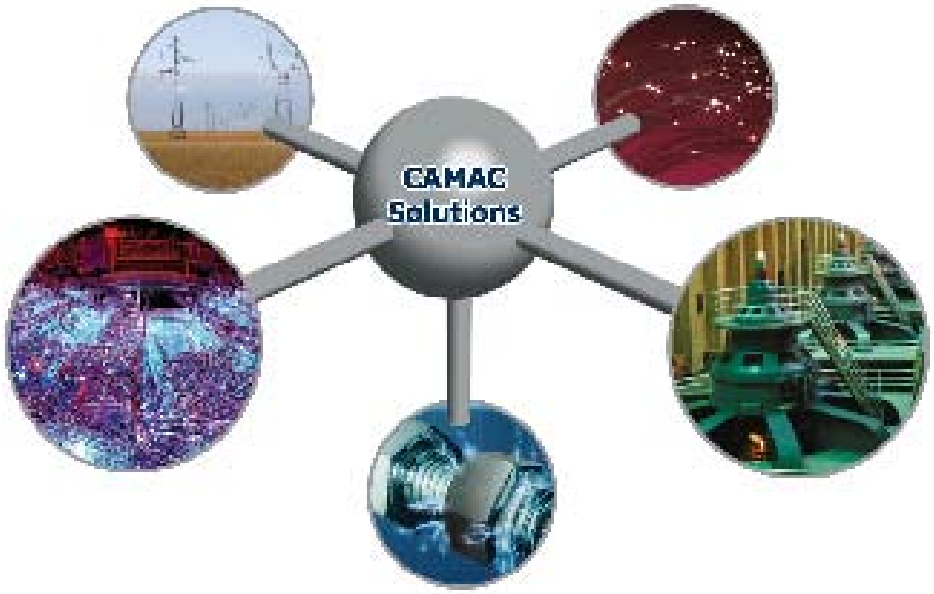
CAMAC Equipment

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.

3388

GPIB Interface



The Model 3388 is a double-width CAMAC module providing the interface between a CAMAC system (IEEE Standard 583 - 1982) and the General Purpose Interface Bus (also called "GPIB" or "ASCII Bus," IEEE Standard 488).

APPLICATIONS

Interface GPIB (IEEE-488) instruments to CAMAC (IEEE-583)

Instruments such as DVMs and counters interfaced to a computer

Data loggers

FEATURES

- Provides for interface between a CAMAC system and GPIB-interfaced instruments
- Meets IEEE-488 and 583 requirements
- Provides GPIB T8, L4, C1-C4, C25, SH1, AH1, SR0, RL0, PP0, DC0, DT0 interface functions
- GPIB T6, SR1, DC1, C-5-C24 interface functions can be implemented by additional user software
- Switch-selectable talk/listen address

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GENERAL DESCRIPTION

The Model 3388 is a double-width CAMAC module providing the interface between a CAMAC system (IEEE Standard 583 - 1982) and the General Purpose Interface Bus (also called "GPIB" or "ASCII Bus," IEEE Standard 488).This module allows digital multimeters, counters, printers, calculators, display terminals, and other devices meeting the GPIB standard to be connected to a CAMAC system. In the past, interfacing such instruments to CAMAC often required special modules and engineering effort on a case-by-case basis. With the 3388, up to 14 other GPIB-interfaced instruments can be connected via standard GPIB cables.

The 3388 GPIB Interface module functions as a CONTROLLER, TALKER, and LISTENER as described in IEEE Standard 488. For example, while in the LISTEN mode itself, the 3388 can cause a digital multimeter to be in the TALK mode. The DMM then transmits data to the 3388 to be processed by the computer associated with the CAMAC system. The computer can then cause the 3388 to be in the TALK mode and GPIB-interfaced printer to be in the LISTEN mode. Processed data from the computer can then be printed.

The 3388 can be set to the CONTROLLER IDLE state so that it can be a TALKER or LISTENER in a system containing another CONTROLLER (such as an intelligent terminal or a desk-top calculator).

GPIB SPECIFICATION SUMMARY

Interconnected Devices:
Up to 15 maximum on one contiguous bus

Interconnection Path:
Star or linear bus network up to 20 meters total transmission path length

Active Signal Lines:
Sixteen total: eight data lines, three data transfer control lines, and five bus management message lines

Message Transfer Scheme:
Byte-serial, bit-parallel, asynchronous data transfer using interlocked three-wire handshake technique

Data Rate:
Depends upon host computer program and external devices

Address Capability:
Primary addresses, 31 TALK and 31 LISTEN

POWER REQUIREMENTS

+6 volts — 610 mA

WEIGHT

.56 kg. (1 lb. 4 oz.)

ACCESSORIES

Model 5852-Axyz, Cxyz, or Exyz-Series Cable Assemblies (Model 3388-D1A)
Model 5864-Series Cable Assemblies (Model 3388-G1A)

ORDERING INFORMATION

Model Connector Module Width Mating Connector Power Supply

MODEL	DESCRIPTION
3388-D1A	GPIB Interface with IEC (Europe) proposed Standard Connector (25-contact "D" connector)
3388-G1A	GPIB Interface with IEEE-488 - 1975 (USA) Standard Connector (25-contact ribbon connector with metric hardware)

NOTE: The 3362 is pin-compatible with the Model 3361 Stepping Motor Controller, which is replaces

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KineticSystems Company, LLC

900 N. State St.
Lockport, IL 60441-2200

Toll-Free (US and Canada):
phone 1-800-DATA NOW
1-800-328-2669

Direct:
phone +1-815-838-0005
fax +1-815-838-4424

Email:
mkt-info@kscorp.com

To find your local sales representative or distributor or to learn more about KineticSystems' products visit:

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