

WANG

LABORATORIES, INC.

ONE INDUSTRIAL AVENUE, LOWELL, MASSACHUSETTS 01851. TEL. (617) 851-4111. TWX 710 343-6769. TELEX 94-7421

DATA SHEET

The Model 9002-1 Interface Controller allows Decision Data Computer Corporation's Model 9625 96-column card reader equipment to be interfaced directly to the CPU of any Wang 2200 configuration which possesses the \$GIO instruction set. (The following CPU's can interface with the Model 9625 Card Reader: 2200C with Option 2, 2200S with Option 23 or 24, 2200T, WCS-20 and WCS-30.) The Interface Controller board plugs into any I/O slot on the CPU chassis and has a 50-pin female Amphenol connector to facilitate data transfers between the System 2200 and the Model 9625 Card Reader equipment. A 10-foot cable (32-pair twisted, 24 gauge wire) with 50-pin male Amphenol connectors on both ends are also supplied with the controller board.

The Decision Data Model 9625 Card Reader is a free-standing, self-contained unit. The control unit coordinates the operations within the card reader and is comprised of a buffer storage, control logic and data paths. Upon command from the System 2200 via the \$GIO instruction set, the Model 9625 can read over 300 cards per minute asynchronously and transfer the 96-character 16-bit parallel data to the buffer.

The card reader is composed of three physical units: an input hopper, a read station and an output stacker. The input hopper stores the 96-column cards to be read and initiates their travel through the card reader, the read station performs the data sensing function required to extract the information punched in the cards, and the output stacker receives and stores the cards (maximum of 600). As each card is loaded into the stacker, the control unit directs a new card from the input hopper into the read station. Thus, cards are loaded into the stacker in the same sequence in which they are fed from the input hopper. When the stacker becomes full, the full stacker switch signals the control unit to stop the card reader.*

*For a full description of the Model 9625 see Decision Data's Operation Manual # 0-25-111.

MODEL 9002-1 INTERFACE CONTROLLER

DATA SHEET

The 2200 System controls the Input and Output operations of the Model 9625 with the \$GIO statement. By using a sequence of microcommand codes similar to the machine language programming, the \$GIO statement can be used to produce a custom-tailored signal sequence for interface operations. The following interface functions are available under System 2200 program control:

- Check the status of the reader.
- Clear a card from hopper to stacker; no reading.
- Feed a card (96 columns) and read card.
- Feed a card (64 columns) and read card.
- Read a data card (96 columns).
- Read and feed a data card (96 columns).
- Read a data card (64 columns).
- Read and feed a data card (64 columns).

With the exception of loading programs with the LOAD statement, the above operations are performed using the different I/O control microcommands of \$GIO statement.

SPECIFICATIONS

Size:

Length 14 in. (35.6 cm)
Width 7.5 in. (19.1 cm)
Depth 1.2 in. (3.2 cm)

Weight:

2 lb (0.9 kg)

Power Requirement:

Supplied by the CPU

CPU Compatibility:

2200C with Option 2, 2200S with Option 23 or 24, 2200T, WCS-20, or WCS-30.

Connector:

One 50-pin female Amphenol connector is mounted on the controller.

Cabling:

One 10-foot (3 m) cable with matching male connectors on both ends is supplied with the Model 9002-1.

Operating Environment:

50° F to 90° F (10° to 32° C)
20% to 80% relative humidity

NOTE:

Wang Laboratories does not assume any responsibility for the connection or maintenance of the Decision Data Model 9625 Card Reader.

ORDERING SPECIFICATIONS

An interface controller providing compatibility between System 2200 configurations with a \$GIO instruction set and card reading capability and the Decision Data Computer Corporations Model 9625 Card Reader. The controller board must plug into any I/O slot of the CPU and must have a 50-pin female Amphenol connector to facilitate data transfers between the System 2200 and the Model 9625.

Wang Laboratories reserves the right to change specifications without prior notice.



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