

# 4265

## PROGRAMMABLE GENERAL PURPOSE I/O DEVICE

- Multi-Mode 14 Operating Modes
- 16 Lines of I/O Capability
- Bit Set/Reset
- Multiplexable Outputs
- Eight Bit Transfer Mode
- Interfaces to 8080 Peripherals
- Synchronous and Asynchronous Interface
- Strobed Buffer Inputs and Outputs
- TTL Interface
- Up to Eight 4265s Per System
- Interface to Standard RAMs
- 28 Pin Dual-In-Line Package
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- 28 Pin Dual-In-Line Package
- Standard Operating Temperature Range of 0° to 70°C
- Also Available with -40° to +85° C Operating Range

MCS-4/40

The 4265 is a general purpose I/O device designed to interface with the MCS-40™ microcomputer family. This device provides four software programmable 4-bit I/O ports which can be configured to allow any one of fourteen unique operating modes for interfacing to data memory or a variety of user peripheral devices.

A single MCS-40 system can accommodate up to four 4265s (one per CM-RAM) without external logic or up to eight 4265s with one external decoder.

The 4265 resides on the MCS-40 data bus and uses the same selection procedure as 4002 RAM device. A valid compare selects the 4265 for MCS-40 I/O commands. As in the case of the 4002 or any MCS-40 peripheral circuit, selection occurs only when the proper SRC code and the CM signal are present simultaneously.

The 4265 provides an extremely flexible, general purpose I/O system capable of handling 4- or 8-bit input or output data. One of fourteen basic operating modes can be selected (software programmable) as described below.

Port Z is TTL compatible with any TTL device. Ports W, X, and Y are low-power TTL compatible.

### PIN CONFIGURATION

