



## iSBC 416 16K PROM EXPANSION BOARD

Allows iSBC 80 EPROM/ROM expansion through direct bus interface

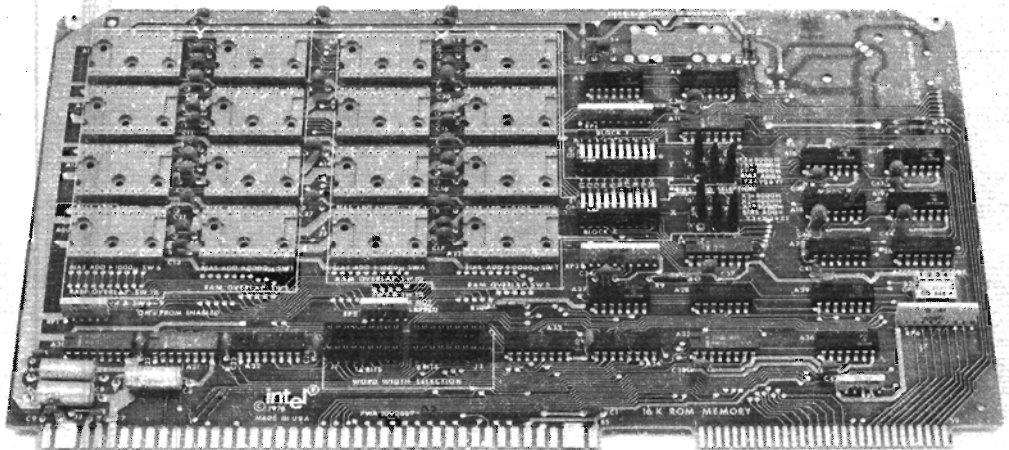
Switches to enable or disable each memory block

Sockets for up to 16K bytes of interchangeable Intel 2608 ROM or 2708 programmable and erasable PROM

Jumper selectable addresses for each 8K block

Buffered address and data lines

The iSBC 416 16K PROM Expansion Board is a member of Intel's complete line of iSBC 80 memory and I/O expansion boards. The iSBC 416 interfaces directly to any iSBC 80 single board computer via the system bus to expand ROM/PROM memory capacity. The board contains 16 sockets that can house either Intel 2608 masked ROMs or Intel 2708 programmable and erasable EPROMs. ROM/PROM memory can be added in 1K-byte increments. The iSBC 416 contains a set of jumpers allowing the selection of the base address of independent 8K memory blocks, to begin on any 8K boundary. Switches are used to enable on-board memory in 1K-block increments.



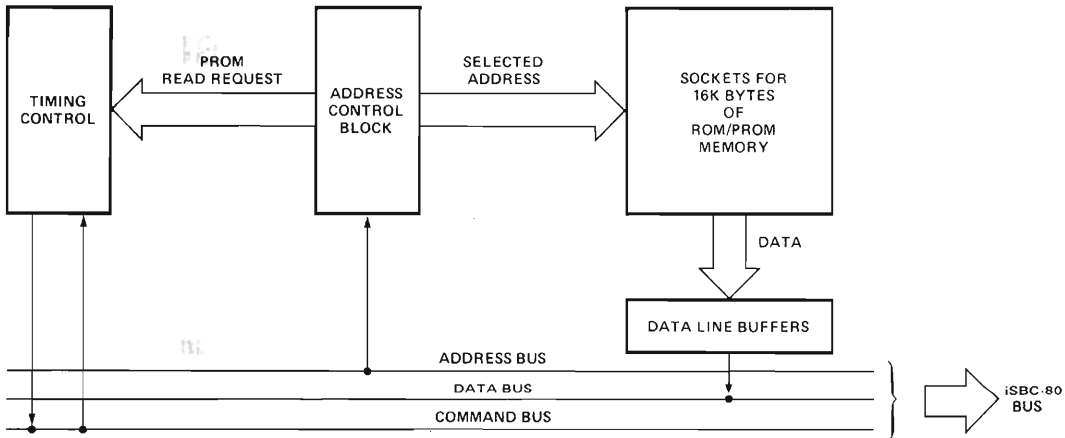


Figure 1. iSBC 416 PROM Expansion Board Block Diagram

## SPECIFICATIONS

### Word Size

8 bits

### Memory Size

Sockets for up to 16K bytes. Memory may be added in 1K-byte increments.

### Compatible Intel Memory

ROM — 2608

PROM — 2708

### Interface

All address, data, and command signals are TTL compatible and iSBC 80 bus compatible.

### Address Selection

Switches and jumpers allowing the selection of a base address for each independent 8K block of memory, on any 8K boundaries

### Connectors

**Edge Connector** — 86-pin double-sided PC edge connector with 0.156-in. (0.40 cm) contact centers.

**Mating Connector** — Viking 3KH43/9AMK12

## Physical Characteristics

**Width** — 12.00 in. (30.40 cm)

**Height** — 6.75 in. (17.15 cm)

**Depth** — 0.50 in. (1.27 cm)

**Weight** — 12 oz (340.5 gm)

## Electrical Characteristics

### DC Power Requirements

	Without Memory	With 2608		With 2708	
		Typ	Max	Typ	Max
+5V	0.75A	0.77A	0.79A	0.85A	0.91A
-5V	—	0.001A	0.010A	0.48A	0.75A
+12V	—	0.58A	0.96A	0.80A	1.04A

## Environmental Characteristics

**Operating Temperature** — 0°C to 55°C

## Reference Manuals

**9800265A** — iSBC 416 Hardware Reference Manual (NOT SUPPLIED)

Reference manuals are shipped with each product only if designated SUPPLIED (see above). Manuals may be ordered from any Intel sales representative, distributor office or from Intel Literature Department, 3065 Bowers Avenue, Santa Clara, California 95051.

## ORDERING INFORMATION

Part Number	Description
SBC 416	16K PROM Expansion Board