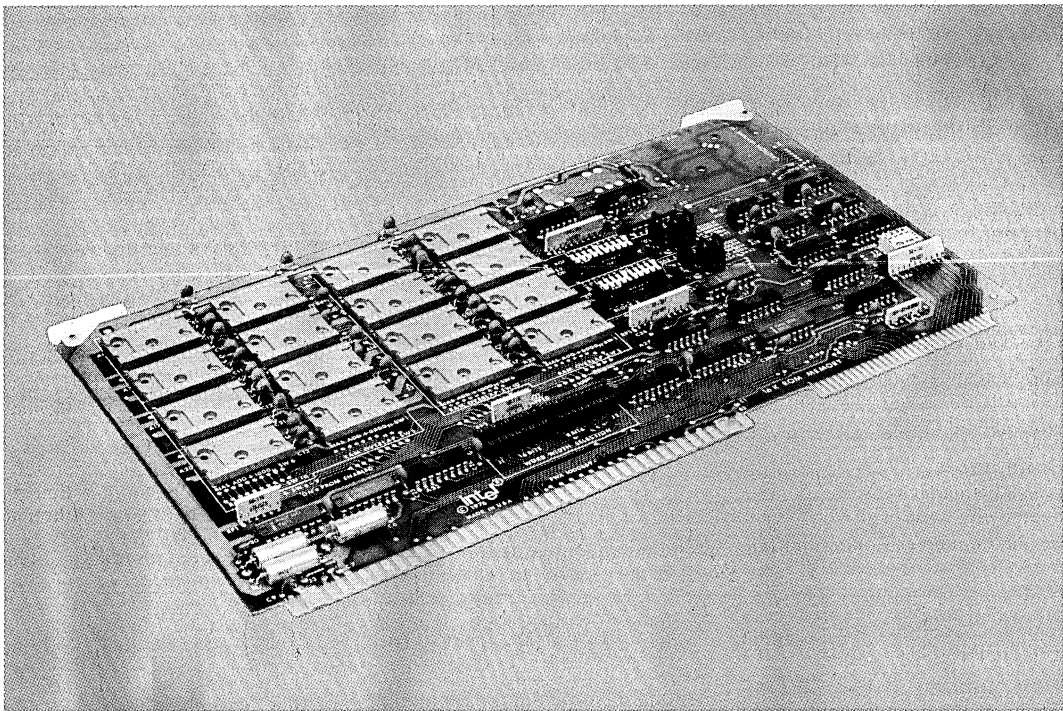




iSBC 416 16K EPROM EXPANSION BOARD

- Allows iSBC 80 EPROM/ROM expansion through the MULTIBUS interface
- Sockets for up to 16K bytes of Intel 2708 programmable and erasable PROM
- Switches enable or disable each memory block
- Jumper selectable addresses for each 8K block
- Buffered address and data lines

The iSBC 416 16K EPROM Expansion Board is a member of Intel's complete line of iSBC memory and I/O expansion boards. The iSBC 416 interfaces directly to any iSBC 80 single board computer via the system bus to expand EPROM memory capacity. The board contains 16 sockets that can house Intel 2708 programmable and erasable EPROMs. EPROM 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.



iSBC 416

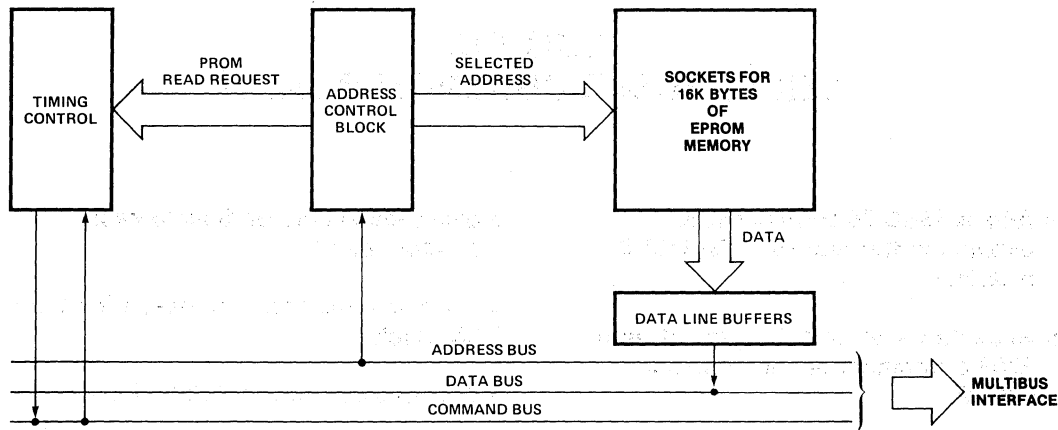


Figure 1. iSBC 416 PROM Expansion Board Block Diagram

SPECIFICATIONS

Word Size

8 bits

Memory Size

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

Compatible Intel Memory

EPROM — 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)

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 EPROM Expansion Board