

iSBC 416 16K PROM EXPANSION BOARD

Allows iSBC 80 EPROM/ROM expansion through direct bus interface

Switches to enable or disable each memory block

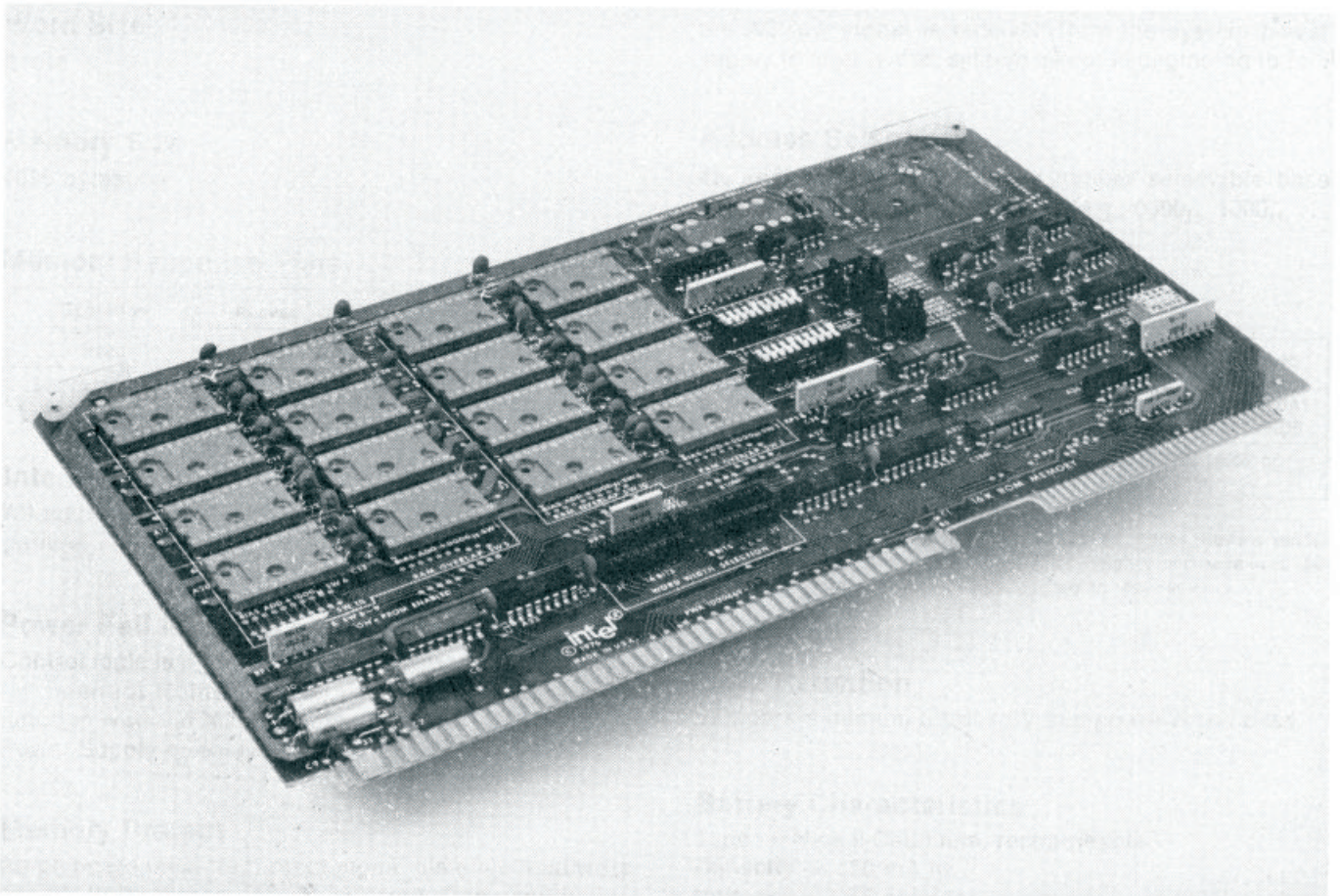
Sockets for up to 16K bytes of interchangeable Intel 8308 masked ROM or 8708 programmable and erasable PROM

Jumper selectable addresses for each 8K block

Buffered address and data lines

EXPANSION
BOARDS

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 8308 masked ROMs or Intel 8708 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.



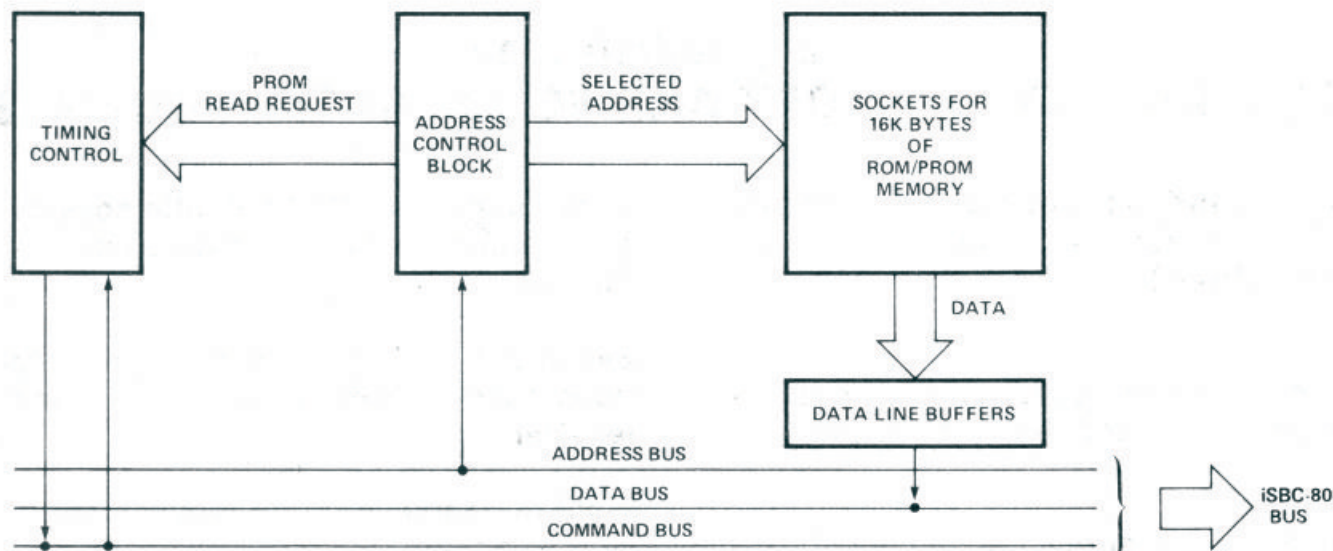


Figure 1. iSBC 416 PROM Expansion Board Block Diagram

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: 8308
PROM: 8708

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 — Control Data VPB01E43A00A1

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 8308		With 8708	
		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

9800265 — iSBC 416 Hardware Reference Manual (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