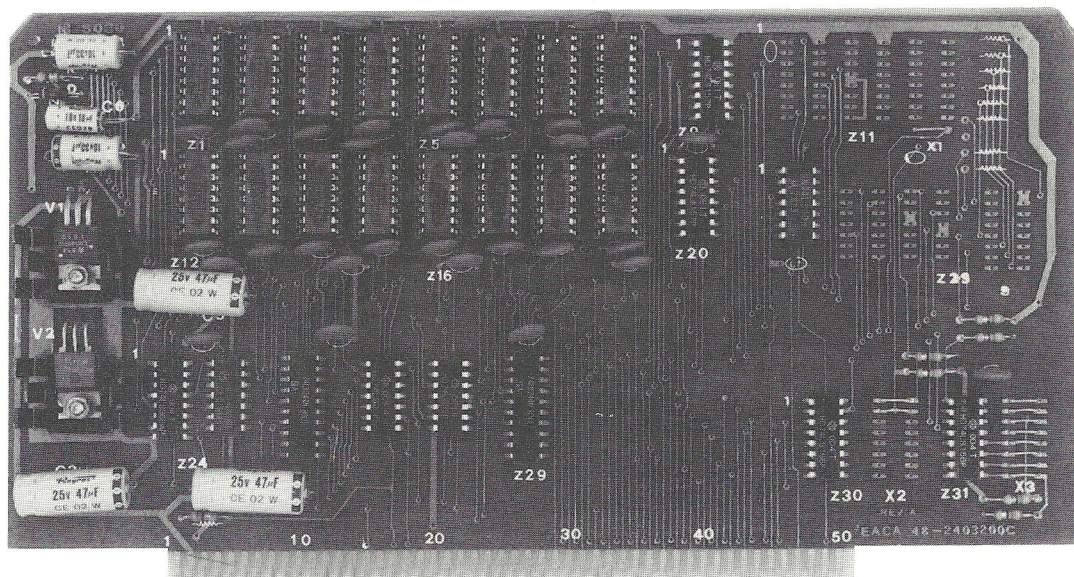


S-100 Dynamic RAM Card



The X-4016 is a low-cost RAM expansion card based on the industry-standard S-100 bus system. Although specifically designed for use with the Dick Smith System 80 computer, it is also suitable for many other computers using the S-100 bus.

The card is provided with sockets to accommodate a maximum of 32K bytes of dynamic RAM, and is fitted with 16K bytes of RAM. If desired the remaining 16K bytes may be provided using one of our X-1186 RAM upgrade kits.

Each of the two 16K banks on the X-4016 card may be programmed by means of wire links to occupy any of the four available 16K ranges of memory addresses. In addition, individual 4K segments within each 16K bank may be independently mapped in or out, to allow optimum use of restricted memory space.

NOTE: This card uses dynamic RAM chips, and so must be used with a computer that provides the necessary 'refresh' to retain memory (such as the System 80). For use with other computers, first make sure that this refresh is provided.

The photograph shows the card with 32K RAM fitted (16K is provided as standard – the additional 16K is optional)

features

- ★ Low cost – comparable S-100 RAM cards sell for up to \$100 more with 16K of RAM.
- ★ Enables expansion of the System 80 (with expansion unit) to 32K RAM – or 48K with the addition of an X-1186 RAM expansion kit.
- ★ Flexibility – with the ability to set each 16K bank of RAM chips for one of the four main 16K sectors of memory space, and the ability to map any 4K segment of each range in or out, the card should adapt to most S-100 computer systems using dynamic memory.
- ★ All data and address lines fully buffered.

Cat. X-4016

\$199⁰⁰

RAM card with 16K memory

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Dick Smith Electronics Data Sheet

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