
The extended keyboard Apple IIe

The extended keyboard Apple IIe includes the following changes from the enhanced Apple IIe:

- The new keyboard contains a built-in 18-key numeric keypad.
- The Extended 80-Column Text Card is a standard feature. The card is shipped installed in the auxiliary slot.
- One 128K ROM IC replaces the two 64K Monitor ROM ICs (the CD and EF ROMs).
- Two 64Kx4 RAM ICs replace the eight 64Kx1 RAM ICs.
- The single-wire Shift-key mod is standard.

RAM upgrade

Both the original Apple IIe and the enhanced Apple IIe are 64K machines, expandable to 128K through the use of auxiliary memory cards like the Extended 80-Column Text Card. The extended keyboard Apple IIe has 64K of main memory, mounted on the circuit board. However, because the Extended 80-Column Text Card is now a standard feature, providing 64K of auxiliary memory, the extended keyboard IIe comes “pre-expanded” to 128K of RAM.

The eight 64Kx1 RAM ICs on the original and enhanced Apple IIe circuit boards have been replaced by two 64Kx4 ICs on the extended keyboard IIe circuit board. This means that the extended keyboard Apple IIe has two RAM ICs instead of eight like the original and enhanced IIe’s. Pin-out diagrams for both RAM IC configurations are provided in Chapter 7.

Single-wire Shift-key mod

The single-wire Shift-key mod is an option jumper point on the circuit board that lets the extended keyboard Apple IIe detect the Shift key with the mouse active. From a practical standpoint, the single-wire Shift-key mod allows mouse-based programs to use “Shift-click” control sequences on the extended keyboard IIe.

The single-wire Shift-key mod option jumper is labeled X6 on the circuit board.