

The present invention can be used in personal computers, computer-aided information processing systems, and local data-processing networks. The invention allows the ecological safety level to be increased in the result of decreasing intensity of spurious electromagnetic radiation. The proposed combined method for determining state of switching matrix elements in a data input unit implies that, for this purpose, a keyboard controller is used that contains a processor, a control unit, random-access memory, read-only memory, data input/output interface, and a timer. The keyboard controller performs dynamic scanning operations only for detecting repeated concurrent pressing of the keys, polling only the corresponding conductors of the switching matrix. In other cases, the keyboard controller provides only for determining the coordinates of the closed one-point nodes of the switching matrix in static mode, by using a unit for setting the state of the switching matrix. The first input and the first output of the unit for setting the state of the switching matrix are connected together. The common point of this connection is coupled with the vertical conductors of the switching matrix and the keyboard controller input. The second input of the unit for setting the state of the switching matrix is connected to the horizontal conductors of the switching matrix. The second output of the unit for setting the state of the switching matrix is connected to the second input of the keyboard controller. The third output of the unit for setting the state of the switching matrix is connected to the input of the data input/output interface.