Circuit description

LCD KVM SWITCH KVM switch can be a good solution to a single person to multiple servers or an entire room of the PC server routine management and maintenance. Equipment will be a very good LCD monitor, ultra-thin keyboard and touch mouse combination intact, eliminating the complexity of the interface cable is more space-saving machine. It is more than one server or PC mouse, keyboard, VGA signal input through the input port, through the device comes with mouse, keyboard and display control port to operate. KVM keyboard and mouse signals will VGA signal through the selector, according to the needs of controllers. To send commands to the microcontroller and microcontroller upon receipt of order to give the choice of chip for each port to send commands to selector switch to the user needs a single PC or server to operate! 1, input VGA signal through the resistor after the matched-impedance input to the selector chip, and then select the device directly from the MCU control, the operator sends commands to the microcontroller and microcomputer control VGA signal selector select a group of users need to VGA signal, the user selector need to VGA signal to the integrated op-amp chip signal amplification transmission to the control side of the display, in order to achieve choice! 2, the input signal directly to the mouse and keyboard signals into the microcontroller, microcontroller according to the user's requirements need to control the choice of server or PC, microcontroller also sends instructions to ensure the mouse, keyboard, and VGA signal synchronization work! MCU external oscillator frequency of the main directives 22.1184MHZ, auxiliary instruction oscillation frequency of the external MCU 24MHZ, USB signal processing microcontroller external oscillation frequency 48MHZ, PS / 2 signal processing microcontroller external oscillation frequency 20MHZ. LCD Monitor VGA signal drive circuit external oscillation frequency 14.318 MHZ! The above circuit description KVM's work!