

Circuit description

Rack 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. It is more than one server or PC mouse, keyboard, VGA signal input port through the input port control personnel by controlling the mouse, keyboard and display by choosing to operate. KVM keyboard and mouse signals will VGA signal through the selector, according to the demand controllers to send commands to the microcontroller, after receipt of order, and then give each port MCU selection of chip sends instructions to make the selection switch to a single user's needs 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. The above rack KVM circuit description of work!