

Circuit description

Desktop KVM SWITCH KVM switch can be a good solution to the 2 to 4 single server or PC for day to day management and maintenance. It is the server, PC mouse, keyboard, VGA signal input through the input port, control port connection control personnel, mouse, keyboard, monitor. VGA signal and the mouse and keyboard signals through the selector, according to the requirements of controllers, controllers sent commands to the microcontroller and microcontroller after receipt of order to give the choice of chip for each port to send commands 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! control the oscillation frequency of the external MCU 20MHz.