

Architectural Specification for the Intelix PS2 Keyboard and Mouse Balun

The unit shall be a PS2 balun that extends a computer's PS/2 keyboard and mouse up to 350 feet over standard structured cabling, such as Cat 5. The maximum distance of the unit shall be 350 feet. The bandwidth shall be DC to 1 MHz. No power supply shall be required. The signals transmitted shall be mouse data, mouse clock, keyboard data, keyboard clock, VCC, and ground. The connectors on the send balun shall be two female 6-pin mini DIN to one RJ45. The connectors on the receive balun shall be two male 6-pin mini DIN to one RJ45. The RJ45 pinout shall be pins 7 and 8 (pair four) and pins 4 and 5 (pair one) for the keyboard. The RJ45 pinout shall be pins 1 and 2 (pair two) and pins 3 and 6 (pair three) for the mouse. The unit shall be an Intelix PS2 keyboard and mouse balun.