PS/2 Keyboard Mouse Converter
500045, 500046, 500047

Overview

The PS/2 Keyboard Mouse Converter allows a standard PS/2 keyboard and mouse to be connected to a PC up to 350 ft (106m) via Cat5E/6 unshielded twisted pair cable in a point-to-point configuration. There are two (2) models; 500045 and 500046. Both models work in pairs or in conjunction with each other for maximum cabling flexibility.

The 500045 is designed to connect easily to a PS/2 keyboard and mouse. The 500046 is designed to connect easily to the PC. The 500047 is a kit that includes one (1) 500045 and one (1) 500046..

Applications

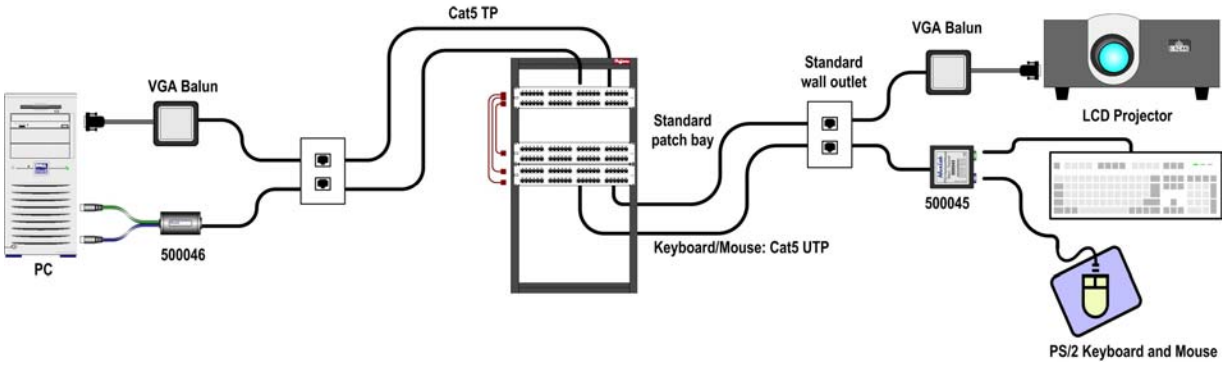
Classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Key Features

Up to 350 ft (106m) via Cat5E/6 UTP
Color coded cable leads
Compact design

Specifications		
Environment	PS/2 Keyboard and Mouse	
Devices	PC, laptops, servers, keyboards and mice supporting PS/2. *A USB keyboard/mouse may be connected to a PS/2 port via a USB-to-PS/2 adapter.*	
Transmission	Transparent to the user.	
Bandwidth	DC to 1 MHz	
Signals	Mouse data, mouse clock, keyboard data, keyboard clock, Vcc, ground.	
Connectors	500045: Dual 6-pin mini DIN female for keyboard/mouse side 500046: Dual 6-pin mini DIN male with 6" lead for PC side RJ45 for unshielded twisted pair	
Color code	Mouse: Green	Keyboard: Purple
Max. Distance via Cat5E/6 Twisted Pair	350 ft (106m).	
RJ45 Pin Configuration *Reverse Polarity Sensitive* *Use EIA/TIA 568 A or B, straight-through wiring*	**Mouse** Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T)	**Keyboard** Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
Cable	Category 5 or better twisted pair cable.	
Temperature	Operating: 0º to 55º C. Storage:-20º to 85º C. Humidity: up to 95% non-condensing.	
Enclosure	ABS fire retardant plastic	
Dimensions	500045: 2.4" x 2.25" x 1.0" (6.1 x 5.5 x 2.5 cm) 500046: 1.875" (4.8 cm) x 1.0" (2.54 cm) diameter plus 6" (15.2 cm) PS/2 cable lead 500047: 9.625" x 7" (24.4 x 17.8 cm)	
Weight	1.6 oz (45 gms)	
Mounting	500046: Velcro pad.	
Compliance	Regulatory: FCC, CE (pending) Flammability: 94V0	
Warranty	Lifetime	
Order Information	500045 PS/2 Converter – PS/2-Receptacle, Keyboard/Mouse Side 500046 PS/2 Converter – PS/2-Plug, PC/Server Side 500047 PS/2 Converter Kit (Includes one (1) 500045 and one (1) 500046))	

Typical Application



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