

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.



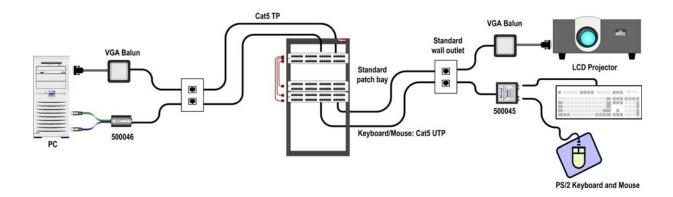
Key Features

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

Environment	PS/2 Keyboard and Mouse	
Devices	PC, laptops, servers, HDX hard disk players, 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	350 ft (106m).	
Twisted Pair		
RJ45 Pin Configuration	Mouse	Keyboard
Reverse Polarity Sensitive	Pin 1 (R) Pin 2 (T)	Pin 4 (R) Pin 5 (T)
Use EIA/TIA 568 A or B, straight-	Pin 3 (R) Pin 6 (T)	Pin 7 (R) Pin 8 (T)
through wiring		
Cable	Category 5 or better twisted pair cable.	
Temperature	Operating: 0° to 55° C. Storage:-20° to 85° 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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