

# VideoEase PS/2 Keyboard Mouse Converter 500045, 500046, 500047

## Overview

The VideoEase 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 Cat5 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 blisterpacked 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 Cat5 UTP  
Color coded cable leads  
Compact design

<b>Specifications</b>					
<b>Environment</b>	PS/2 Keyboard and Mouse				
<b>Devices</b>	PC, laptops, servers, keyboards and mice supporting PS/2. <i>A USB keyboard/mouse may be connected to a PS/2 port via a USB-to-PS/2 adapter.</i>				
<b>Transmission</b>	Transparent to the user.				
<b>Bandwidth</b>	DC to 1 MHz				
<b>Signals</b>	Mouse data, mouse clock, keyboard data, keyboard clock, Vcc, ground.				
<b>Connectors</b>	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				
<b>Color code</b>	Mouse: <u>Green</u> Keyboard: <u>Purple</u>				
<b>Max. Distance via Cat 5 Twisted Pair</b>	350 ft (106m).				
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive</i> <i>Use EIA/TIA 568 A or B, straight-through wiring</i>	<table border="0"> <tr> <td><b>Mouse</b></td> <td>Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T)</td> <td><b>Keyboard</b></td> <td>Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)</td> </tr> </table>	<b>Mouse</b>	Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T)	<b>Keyboard</b>	Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
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<b>Cable</b>	Category 5 or better twisted pair cable.				
<b>Temperature</b>	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95% non-condensing.				
<b>Enclosure</b>	ABS fire retardant plastic				
<b>Dimensions</b>	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)				
<b>Weight</b>	1.6 oz (45 gms)				
<b>Mounting</b>	500046: Velcro pad.				
<b>Compliance</b>	Regulatory: FCC, CE (pending) Flammability: 94V0				
<b>Warranty</b>	Lifetime				
<b>Order Information</b>	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))				

