

PenMount Provides Full Support on Microsoft Windows Embedded CE

Windows Embedded CE is the solution from Microsoft that works on embedded platforms with x86, ARM and other RISC processors. Since it requires less storage space and boots up faster, therefore, it is usually used on systems with slower processing speed and smaller memory.

PenMount supports most CE versions in the market, including Windows CE .NET 4.2, Windows CE 5.0 and Windows Embedded CE 6.0. PenMount provides two versions of device driver, the “Standard” driver which uses the PenMount proprietary calibration method, including 4, 9 and 16 points calibration mode. We recommend that you choose one of these methods based on the actual hardware performance. If the system is slower, you can choose driver version V3.0 with 4 point calibration mode when building the system. If you are using faster systems, you can also choose other calibration modes as well.

Besides the PenMount “Standard” device driver, there is the PenMount “Stylus” device driver, which is recommended for applications based on the calibration API of Windows Embedded CE. With this flexibility, systems builders can optimize their systems with PenMount Touch Solution.

With more and more demands for touch functions in operating systems, the latest version of Windows Embedded CE 6.0 R3 has included new features that support touch and gestures. Software developers can use the gesture’s API to allow the software to receive notifications when the system's gesture engine recognizes a touch gesture, then it can apply predefined actions or show animations.

Windows Embedded CE 6.0 R3 currently supports Pan and Flicks gestures. Pan occurs when user touches and drags in any direction. Flicks occur when drawing quick uni-direction strokes - up, down, left or right.

The Windows Embedded CE 6.0 R3 also includes a sample Internet Explorer demo that demonstrates the uses of touch gestures. A user can use Pan gesture to drag the web pages. A user can use Flicks gestures for page up / page down functions. We believe that with the new gesture API, the PenMount Touch Solution can bring more new applications to embedded platforms.

Finally, we created the table below to help you check the features provided by the PenMount Windows Embedded CE device driver.

- ♦USB interface :

PenMount Device	Driver Version	Standard Solution	Stylus Solution	Mapping T/P Pin assignment after calibration	Advanced Calibration			PenMount Control Panel	Right Button function	Save Calibration Data to Controller
					4	9	16			
PenMount 6000 USB	Windows CE 4.2 Driver V1.2	●		●	●	●	●	●	●	
	Windows CE 4.2 stylus Driver V1.2		●	●						
	WinCE 5.0 Driver V3.2	●		●	●	●	●	●	●	
	WinCE 5.0 stylus Driver V3.2		●	●						
	WinCE 6.0 Driver V3.2	●		●	●	●	●	●	●	
	WinCE 6.0 stylus Driver V3.2		●	●						

• ♦RS-232 interface :

PenMount Device	Driver Version	Standard Solution	Stylus Solution	Mapping T/P Pin assignment after calibration	Advanced Calibration			19200 baud rate	9600 baud rate	PenMount Control Panel	Right Button function	Save Calibration Data to Controller
					4	9	16					
PenMount 9000	WinCE4.1/4.2 Driver V2.2	●		●	●	●	●	●	●	●	●	
	WinCE 4.2 Stylus Driver V2.2		●	●				●	●			
	WinCE 5.0 Driver V3.2	●		●	●	●	●	●	●	●	●	
	WinCE 5.0 stylus Driver V3.2		●	●				●	●			
	WinCE 6.0 Driver V3.2	●		●	●	●	●	●	●	●	●	
	WinCE 6.0 stylus Driver V3.2		●	●				●	●			
PenMount 6000 RS232	WinCE 4.2 Driver V1.1	●		●	●	●	●	●	●	●	●	
	WinCE 4.2 stylus Driver V1.1		●	●				●	●			
	WinCE 5.0 Driver V3.2	●		●	●	●	●	●	●	●	●	
	WinCE 5.0 stylus Driver V3.2		●	●				●	●			
	WinCE 6.0 Driver V3.2	●		●	●	●	●	●	●	●	●	
	WinCE 6.0 stylus Driver V3.2		●	●				●	●			

PenMount series of touch software and hardware are designed to meet market demands. If customized specifications are needed, we are always ready and available to help customer to complete their project. For more PenMount controllers and drivers information, please visit our websites, www.amtouch.com.tw or www.penmount.com. If you have any suggestions or comments please feel free to email us at penmount_service@amtouch.com.tw or amt1@amtouch.com.tw.

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