

Product:

FPM-2150G / FPM-3120G / FPM-3121G / FPM-3150G / FPM-3060G.

Topic:

Application note of the FPM Touch Screen under WinCE platform

Description:

When we test the WinCE platform and reboot repeatedly, we found that the Touch Screen function of FPM monitor sometimes work but sometimes doesn't. This document is to inform customer that some FPM products using PenMount 9000 controller as the Touch Screen control board has the limitation to be set to Non-PNP mode.

P.S. PNP (Plug and Play)

Reason:

The PenMount 9000 control board of FPM monitor MUST be set as Non-PNP mode to work with WinCE platform because **WinCE OS does not support PNP mode**. And the PenMount 9000 control board is default in PNP mode and can not be set as Non-PNP mode by DIP switch setting. (PenMount 6000 controller has DIP switch to set the PNP / Non-PNP mode.)

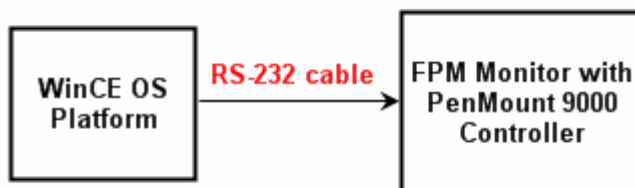
The RTS signal of the WinCE platform will affect the Touch Screen function if the Touch Screen control board is in PNP mode.

Touch Screen Control Board:

PenMount 9000 T/S A1 02

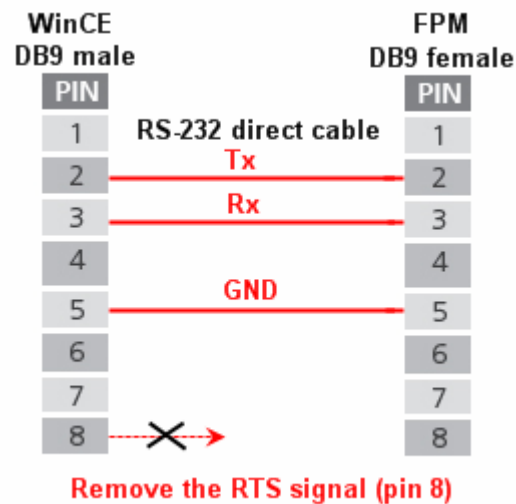
Operating System:

WinCE 5.0

System Configuration:

Suggested Solution:

It is suggested to remove the signal line between RTS pin (pin 8) on the RS-232 port of WinCE platform and the FPM monitor. Removing this signal line will ensure the Touch Screen function works well. That is, we only need to connect pin 2, 3, 5. Please refer to below connection diagram and pin assignment.



Connection diagram between WinCE platform and FPM monitor

