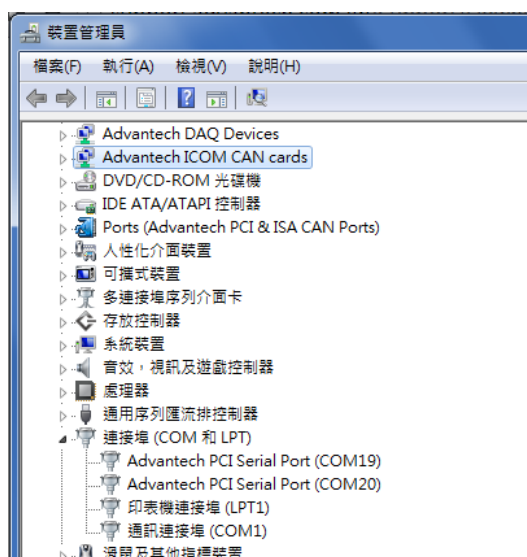


Advantech AE Technical Share Document

Date		SR#	1-2034758852
Category	■ FAQ □ SOP	Related OS	Windows XP/Vista/7
Abstract	Serial Port Number Shifting After Changing Slot		
Keyword	COM, Serial port, Serial COM card, port shifting		
Related Product	PCI-1612A-AE / PCI-1601A-AE / PCI-1601B-AE / PCI-1602A-AE / PCI-1602B-AE / PCI-1602UP-A2E / PCI-1603-AE / PCI-1604UP-AE / PCI-1610A-AE / PCI-1610A/9-AE / PCI-1610AJU-AE / PCI-1610AUP-AE / PCI-1610B-AE / PCI-1610B/9-AE / PCI-1610CU-AE / PCI-1610CU/9-AE / PCI-1610UP-AE / PCI-1611U-AE / PCI-1611U/9-AE / PCI-1612AU-AE / PCI-1612B-AE / PCI-1612CU-AE / PCI-1612U-AE / PCI-1620A-AE / PCI-1620AU-AE / PCI-1620B-AE / PCI-1620U-AE / PCI-1622CU-AE / PCI-1610AUAGR-AE / PCI-1612BU-AE / PCI-1620BU-AE / PCM-3612-AE / PCM-3640-AE / PCM-3610-BE / PCM-3614I-AE / PCM-3618I-AE / PCM-3642I-AE / PCM-3641I-AE / PCI-1612A-BE / PCI-1620A / PCI-1620B / PCI-1620APU-AE / PCI-1603-BE / PCI-1604UP-BE / PCI-1602UP-BE / PCIE-1620 / PCIE-1622B-BE / PCIE-1622A-BE / PCIE-1620B-BE / PCIE-1620A-BE / PCI-1622A-BE / PCI-1601B-BE / PCIE-1622B-AE / PCIE-1622A-AE / PCIE-1620B-AE / PCIE-1620A-AE / PCI-1622C-CE / PCI-1622A-CE / PCI-1620B-CE / PCIE-1620A / PCIE-1620B / PCIE-1622B / PCIE-1622A / PCI-1622A / PCI-1622B / PCI-1622C / PCM-3614I / PCM-3641I		

■ Problem Description:

While a COM card is installed successfully, system will assign a port number to the COM card automatically. However, when we decide to change the PCI-slot it should also change the COM-port number. The reason for the change can be a better cable management for example. COM port will shift from COM1&2 to COM3&4.



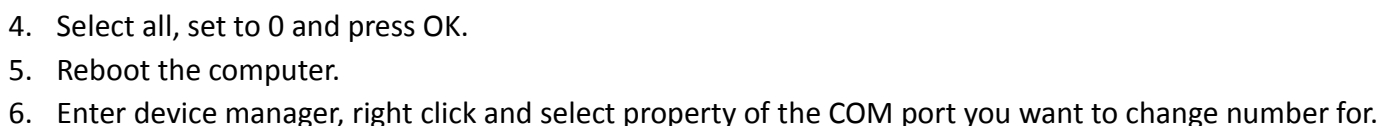
Pic1. Serial port number is assigned automatically as CAN1 and CAN2 in device manager

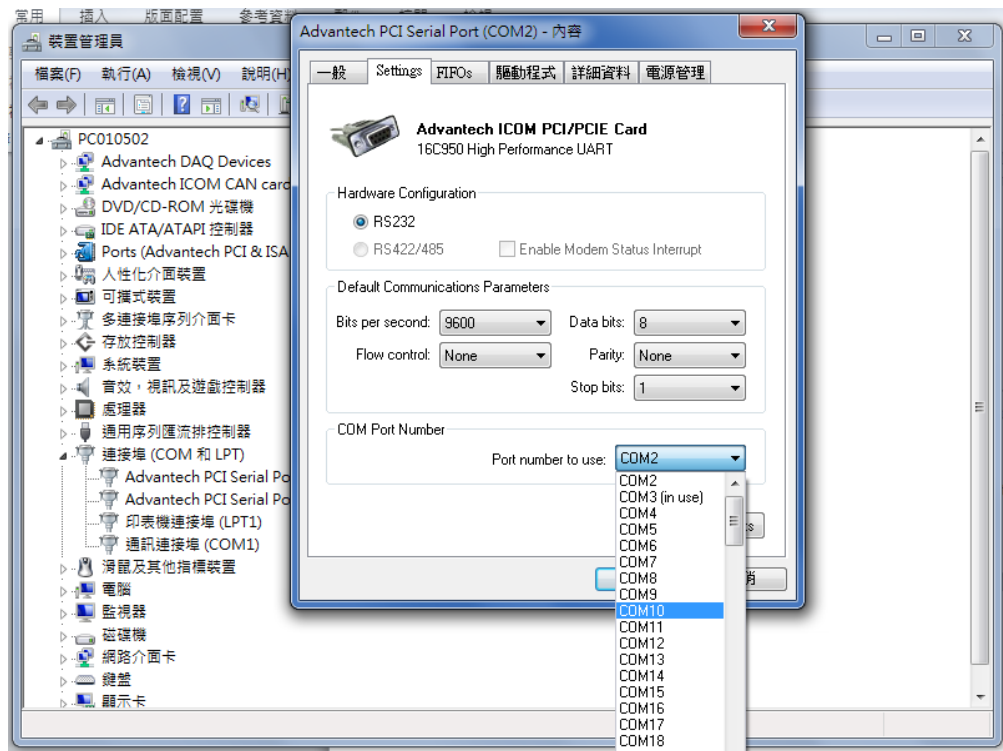
■ Problem Analysis:

Each COM card is not a distinct card itself. That is, every single CAN card is a new one to computer even you change a slot. Once a COM card is unplugged and re-plug on another slot, it is regarded a new card so that computer will allocate a new port number for newly installed COM-port. The next time another CAN card is inserted on another slot, COM-port will be allocated to the next COM number which

Brief Solution - Step by Step:

1. Enter "regedit" in the START menu.
2. Enter HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\COM Name Arbiter





7. Now you could change the number freely.

■ Reference: