MP42851MER2
MINI PCI-E Serial 2 Port 422/485

MP42852MER4
MINI PCI-E Serial 4 Port 422/485

Installation

WARNING! Mini PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your Mini PCI Express card. We recommend that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the Mini PCI Express card by its edges and not the gold connectors.

Hardware Installation

1. Turn your computer off and any peripherals connected to the computer (i.e. printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer.

2. Remove the cover from the computer case. See documentation for your computer system for details.

3. Locate an open Mini PCI Express slot and Securely fasten the card to the motherboard.

4. Line up and insert the Mini PCI Express card (Mini Card) into the Mini PCI Express slot on the system board. Make sure to match up the gap in the card edge connector, with the notch in the slot.

5. Place the expansion card bracket from the Mini Card in the opening and fasten the card's bracket to the rear of the case. NOTE: If the system case/chassis only supports full pro file brackets, replacing the pre-installed low profile bracket with the included full profile installation bracket may be necessary.

6. Place the cover back onto the computer.

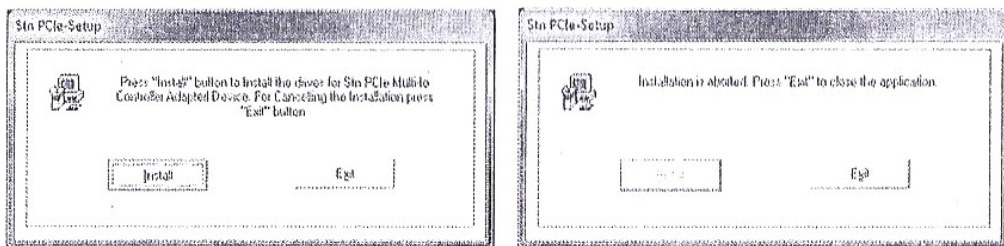7. Insert the power cable into the socket on the power supply.

Driver Installation

Windows 7

1. Once the computer has started and the operating system is fully loaded, insert the provided Driver CD into the computer's CD/DVD drive.

2. Autorun should give you the option to browse the files on the CD or automatically open the CD. If Autorun does not start, Go into "My Computer" and access the CD/DVD drive that the CD is in.

3. Run the "stnsetup.exe" file in "9901_PR2 /win7/win32".Follow the on screen instructions to the driver
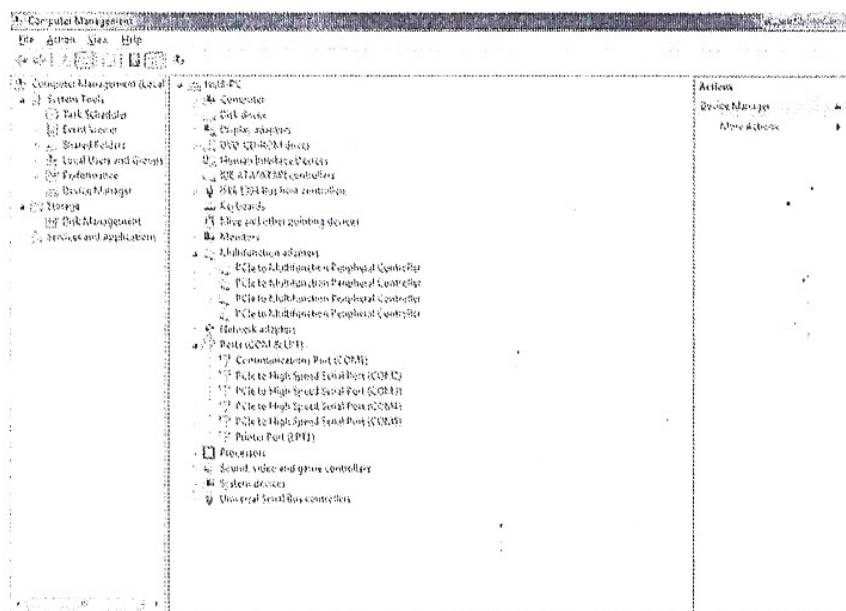
install.

NOTE: If your computer's operating system is windows 7 64bit, please in stnsetup.exe file Right-click to select Run as administrator perform.

Verifying Installation

From the main desktop, right-click on "My Computer", then select Manage. In the new Computer Management window, select Device Manager from the left window panel.

Double-click on the "COM&LPT". There should be a device listed that contains "PCIe to High speed Serial Port " or similar in it's name.
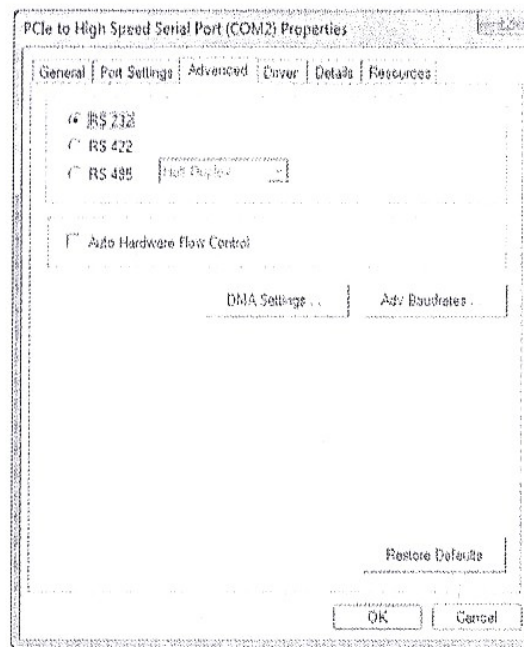
RS-422/485 Setting

1. Software Setting

   In PCIe to High Speed Serial of Port, right-click, select Properties, click Advanced in this page can be set the RS-422/485 and Auto Hardware Flow control options.
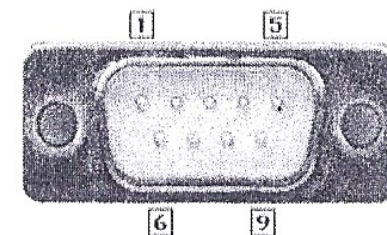

2. Hardware Setting
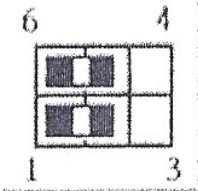
   1. Pro Data(DB9) Pin Out

PORT DATA(DB9)

2	TX+	6	X
1	TX-	7	X
4	RX+	8	X
3	RX-	9	X
5	GND		

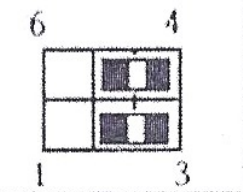## 2. Jumper Setting

tow-wire

MP9922ME-422/485:RT1,RT2
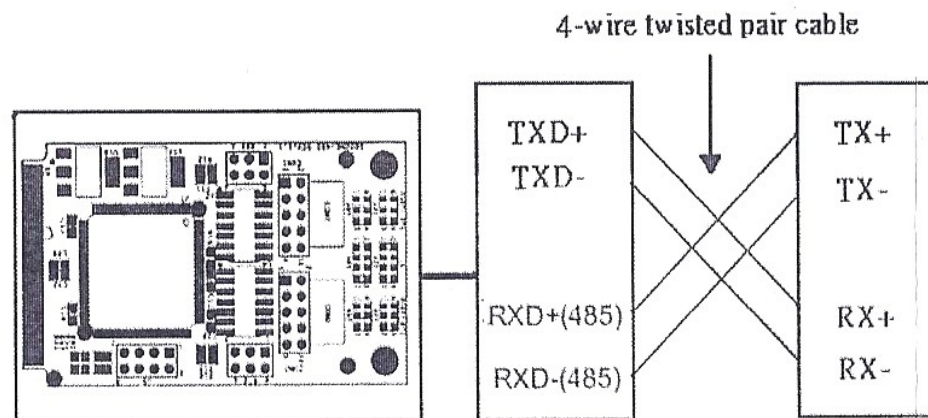
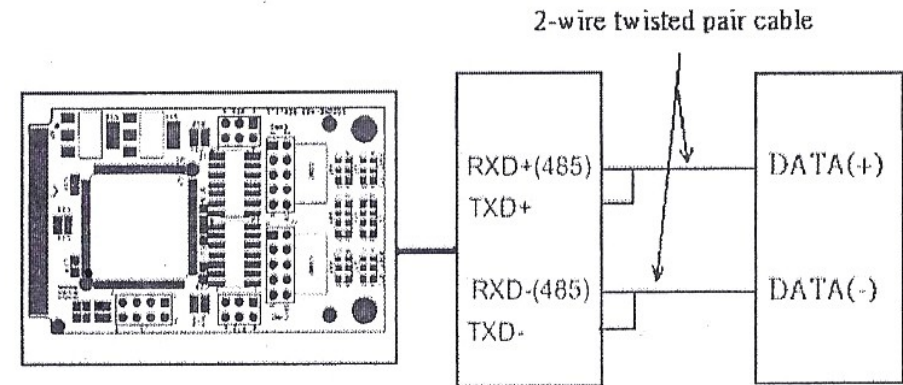MP9904ME-422/485:RT1,RT2,RT3,RT4

four-wire

MP9922ME-422/485:RT1,RT2

MP9904ME-422/485:RT1,RT2,RT3,RT4

3. Communications wiring diagram

1. RS-422 point-to-point four-wire full-duplex communication.

4-wire twisted pair cable

TXD+		TX+
TXD-		TX-
RXD+(485)		RX+
RXD-(485)		RX-

2. RS-485 point-to-point second-line half-duplex communication.

2-wire twisted pair cable

RXD+(485)		DATA(+)
TXD+		
RXD-(485)		DATA(-)
TXD-		