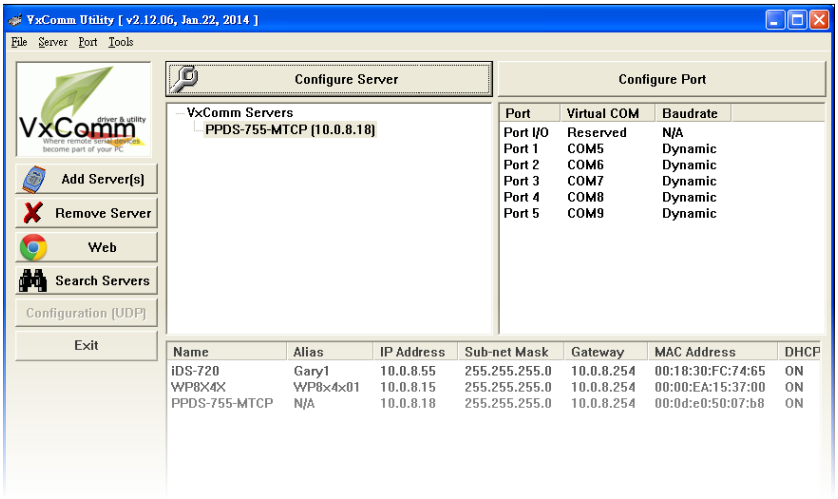
分類/Classification	☐ tDS ☐ tGW ☐ PETL/tET/tPET ☐ DS/PDS/PPDS ☐ tM-752N ☐ I/O Card ☐ VXC Card ☑ VxComm ☐ Other				
作者/Author	Tammy	日期/Date	2014-09-29	編號/NO.	FAQ-009

Q: How to use the Virtual COM Ports in LabVIEW?

A: Follow the procedure described below:

Step 1: Run VxComm Utility program to configure Virtual COM Ports of your device (e.g. PPDS-755D-MTCP), refer to user's manual of the VxComm Driver for the detailed information.

Download the VxComm Driver User's Manual.



Step 2: Download the **NI-VISA driver** and execute the self-extracting file. This will install NI-VISA and all necessary driver files on your PC.

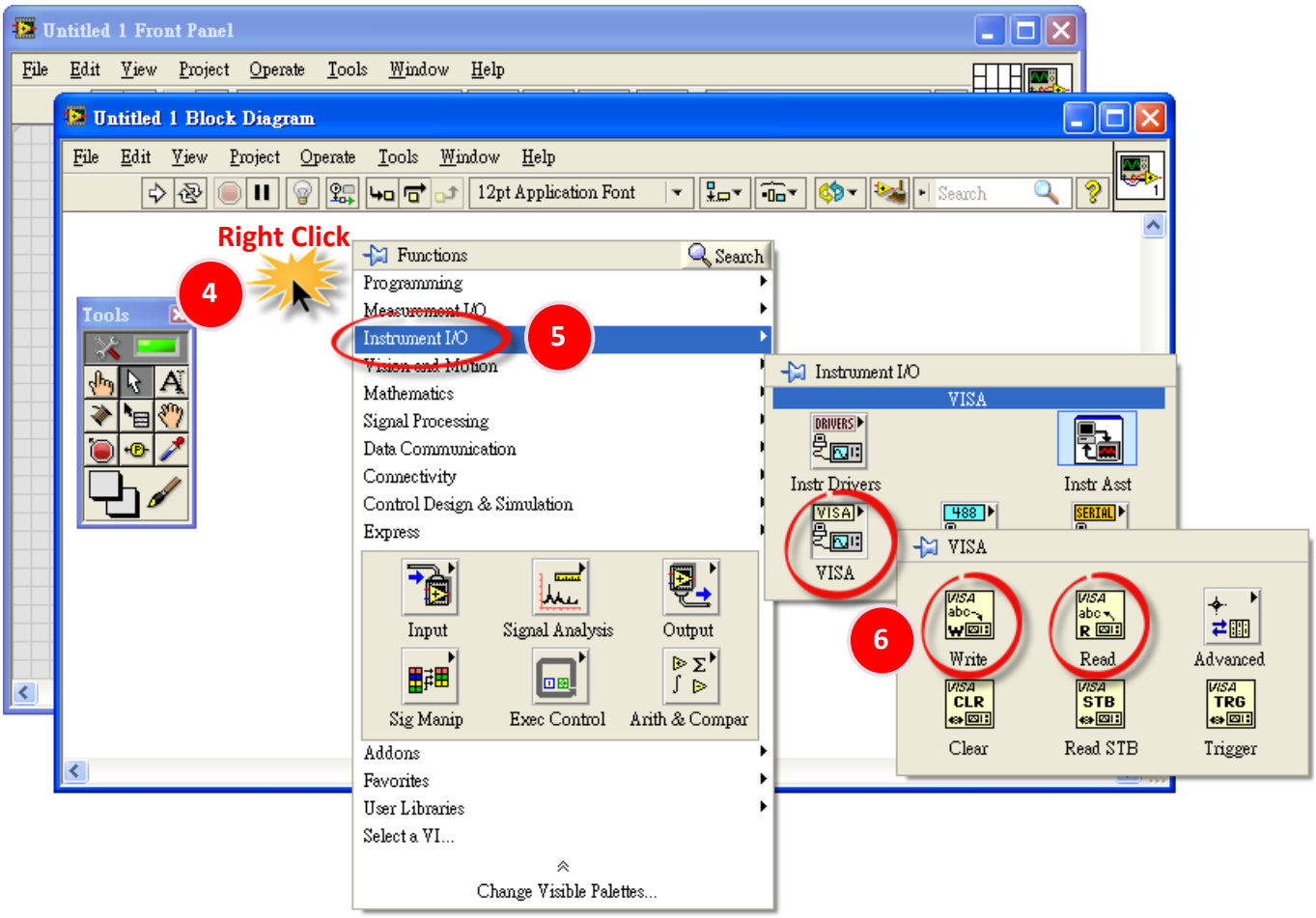
The **NI-VISA** can be downloaded from the National Instruments (NI) web site as following web:
http://search.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/ssnav:ndr/q/NI-VISA/

Step 3: Launch the LabVIEW and use NI-VISA interface functions.

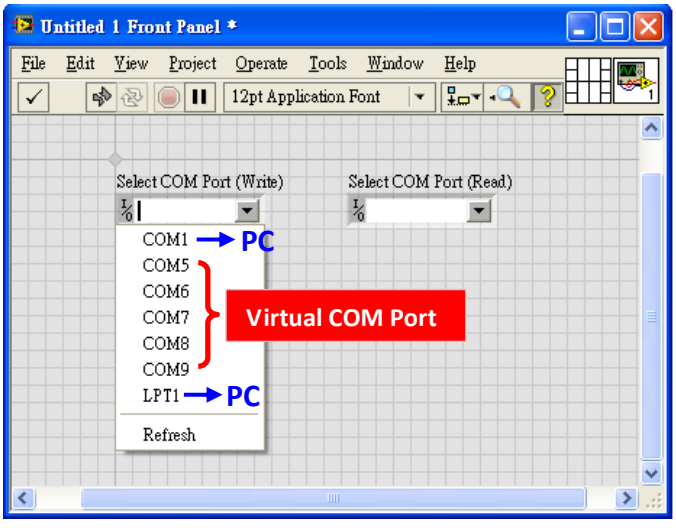
Step 4: **Right click** on the **Block Diagram** to open the **Functions Palette**.
(Or select the **"Function Palette"** item from the **"View"** menu.)

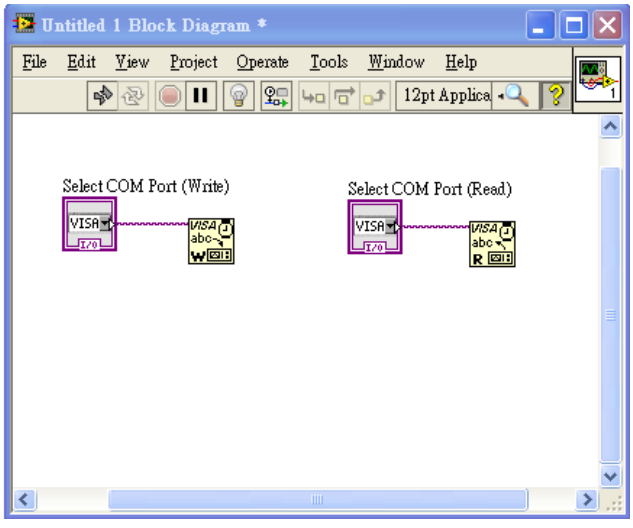
Step 5: In the **Functions Palette**, select the **"VISA"** item from the **"Instrument I/O"** menu.

Step 6: Select the **"VISA Write"** and **"VISA Read"** functions from the **"VISA"** menu.



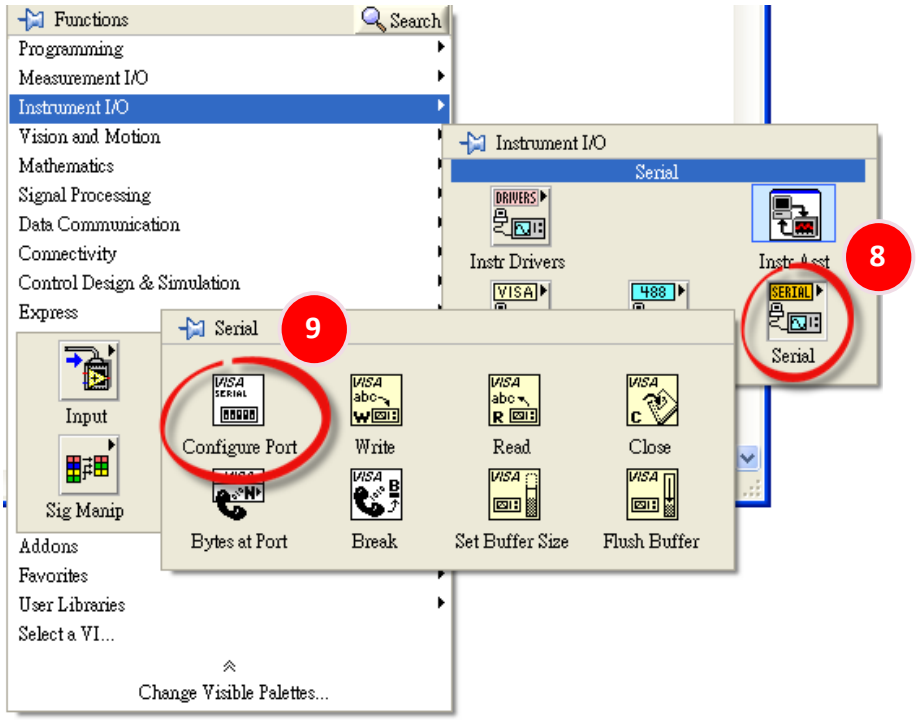
Step 7: Use the **"VISA Write"** and **"VISA Read"** functions to read the physical and virtual COM Ports on the PC and your device.



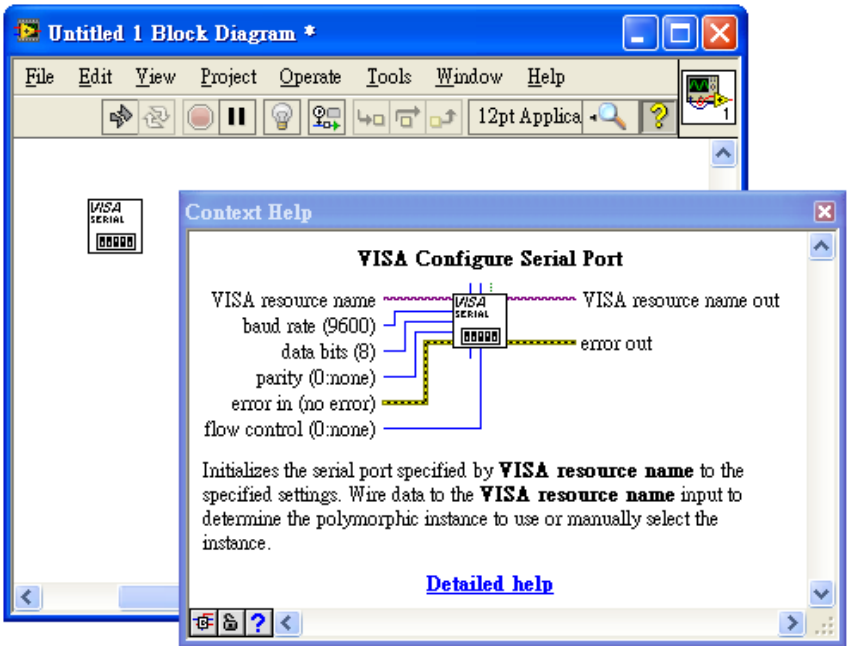


Step 8: In the **Functions Palette**, select the **"Serial"** item from the **"Instrument I/O"** menu.

Step 9: Select the **"Configure Port"** function from the **"Serial"** menu.



Step 10: Use the **"Configure Port"** function to set the baud rate and data format values depending on the serial COM Port of your device. (Default settings: Baud Rate 9600, Data Format 8, N, 1)



Step 11: The following source code is a sample: