

<b>Data Create</b>	2015/03/26	<b>Release Note</b>	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
<b>Category</b>	FAQ	<b>Product Group</b>	IAG
<b>Function</b>	Communication	<b>Related OS</b>	Ubuntu
<b>Related Product</b>	UNO-2362G		

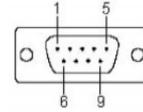
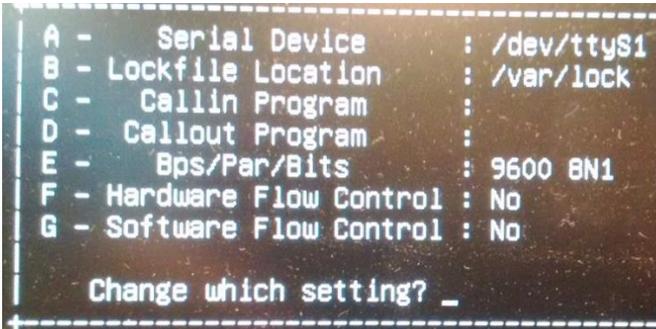
**[Abstract]**

How to test RS-485 in Ubuntu

**[Solution]**

1. To switch window to Terminal and type the following instrument.
  - A. Type "Ctrl + Alt + F1"
2. Set root user's password
  - A. Type "sudo su"
  - B. Type "passwd"
3. Update Ubuntu and download comport test tool "minicom"
  - A. Type "apt-get update"
  - B. Type "apt-get install minicom"
4. Find device name of COM1 and COM2
  - A. Type "ls /dev/ttyS\*"
    - i. You will find "ttyS0" and "ttyS1"
    - ii. "ttyS0" stand for COM1
    - iii. "ttyS1" stand for COM2
5. Go into minicom and start test
  - A. Type "minicom -s"
  - B. Set Serial Device, as shown in left figure.
  - C. Set Bps/Par/Bits
  - D. Set Hardware Flow Control
  - E. Press "Save setup as df1" and "Exit" to start the test
  - F. Type Ctrl - A x can exit minicom com port test tool

**A.4 RS-485 Serial Port (COM2)**



**Table A.4: RS-485 Serial Port Pin Assignments**

Pin	RS-485
1	Data-
2	Data+
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

6. Find a device which can transmit or receive RS-485 and test with UNO-2362G
  - A. Connect Data- Data+ of two devices, pin assignment is shown in right figure.