

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

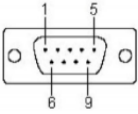
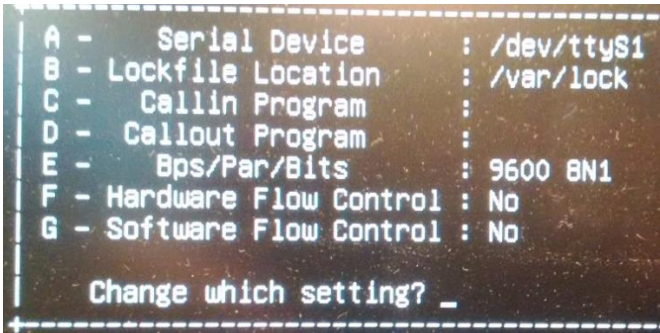


Table A.4: RS-485 Serial Port Pin Assignments	
Pin	RS-485
1	Data-
2	Data+
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

- 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.