i.Board 2
i.CanDoIt®

CONTROL SOLUTIONS, INC.
MINNESOTA

| I/O Devices | IP Network | System | Advanced |

Click on any tab above to log in.

iBoard 2 Quick Start Guide

1. Connect power. Apply +24VDC (or 24VAC) to the terminal marked "POWER" and common or ground the the terminal marked "GND".

2. Connect a CAT5 cable between the RJ-45 jack on the top and your network switch or hub. You cannot connect directly to your PC unless you use a "crossover" cable.

3. The default IP address as shipped is 10.0.0.101. If your PC is not already on the 10.0.0.0 domain, you will need to add a route on your PC. Do this by opening a command prompt. First type "ipconfig" and note the IP address listed. This is your PC's IP address. Now type the command

```
route add 10.0.0.0 mask 255.255.255.0 1.2.3.4
```
but substitute your PC's IP address for 1.2.3.4.

This generally works on Windows XP, but sometimes fails on Windows 2000 or older. If this fails, you will need to temporarily change your computer's IP address to a fixed address that starts with 10.0.0. and ends with anything but 101.

4. Open your browser, and enter "http://10.0.0.101/" in the address window. You should see a page with the "i.CanDoIt" header shown above. From this point, you will find help on each page in the web site contained within the product. You can change the IP address on the System -> Setup -> Network page.

5. The default login is user name "system" with password "admin". You can also log in as "root" using password "buster".

6. Be sure to save any configuration changes you made on the System -> Setup -> Config File page otherwise they will be lost the next time you cycle power.
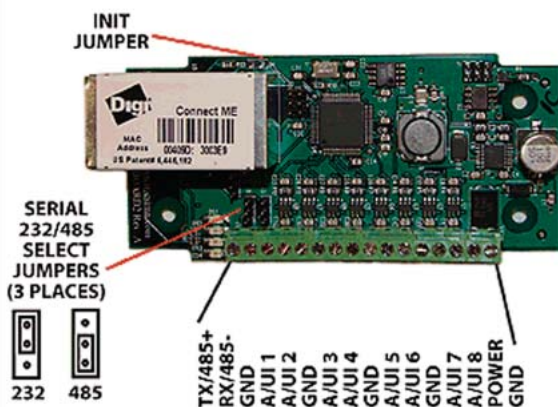
Click the Hardware Guide link on the index page for wiring information.

NOTE: If the yellow Link LED is not on, check your cable connections. It should be on any time power is applied and an Ethernet connection is present.

The server takes 1-2 minutes to boot up after power is applied. The two green LEDs just above the push button will be on (flickering) if the server is ready for browser activity.

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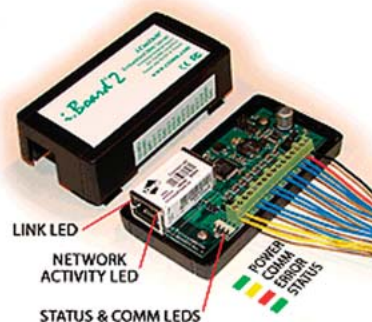
| Wiring Terminals | | WARNING: The circuitry inside i.Board is static sensitive. You must use proper ESD protection when handling an open i.Board to avoid permanent damage (not covered under warranty). Contact support@csimn.com if you have any questions about proper ESD protection.

To open i.Board, squeeze the sides firmly and pull apart. There is no need for tools. Do not pry apart. You must squeeze the sides together to unlock the locking tabs in the corners of the case.

Inputs are configured by software controlled FET switches. There are no physical jumpers to move.

Select RS-485 or RS-232 for the serial port by positioning 3 jumpers as illustrated. Do not use the INIT jumper unless instructed. |
|---|---|---|

Image labels: INIT JUMPER; SERIAL 232/485 SELECT JUMPERS (3 PLACES); 232; 485; TX/485+; RX/485-; GND; A/UI 1; A/UI 2; GND; A/UI 3; A/UI 4; GND; A/UI 5; A/UI 6; GND; A/UI 7; A/UI 8; POWER; GND; Digi Connect ME; MAC Address

Indicators			

Image labels: LINK LED; NETWORK ACTIVITY LED; STATUS & COMM LEDS; POWER; COMM; ERROR; STATUS

	LINK LED	Yellow LED indicates an Ethernet link is present. This indicator will light if a link is present regardless of processor or network activity. If not lit, check network wiring.
	NETWORK ACTIVITY LED	Green LED is on solid during portions of the boot-up process, and then flashes briefly when Ethernet network traffic is detected.
	I/O ACTIVITY LEDS	POWER: On continuous if power is present and power supply is working.

COMM: Flashes each time a Modbus RTU packet is sent.

ERROR: Flashes upon Modbus RTU response timeout or received error.

STATUS: On, blinking off briefly once a second, this is the "I'm alive" indicator for the I/O coprocessor. |