



MDC-211-ZT Quick Start

v1.0, Mar. 2018

What's in the Box?

The shipping package contains this document and the following items:



MDC-211-ZT



ANT-124-05
(2.4G Antenna)

Technical Support

MDC-211-ZT User Manual

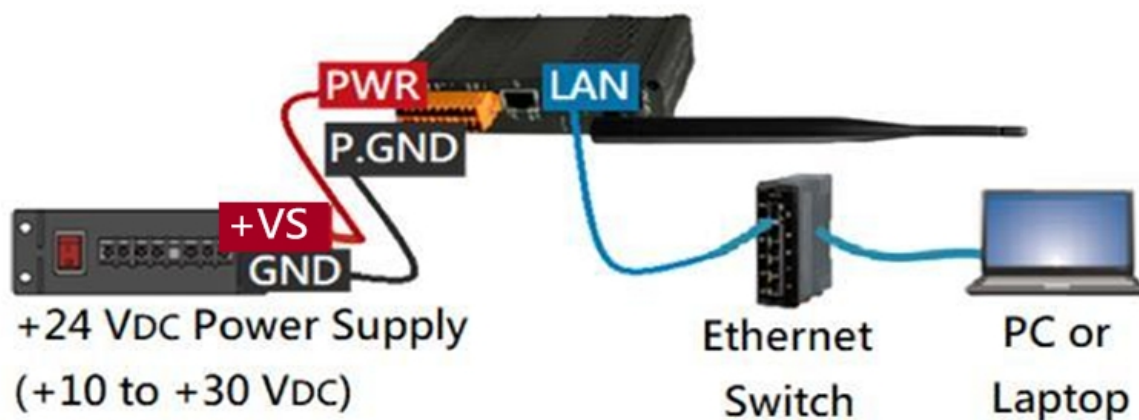
http://ftp.icpdas.com.tw/pub/cd/usbcd/napdos/zigBee/zt_series/document/mdc/

MDC-211-ZT Website

http://www.icpdas.com/root/product/solutions/industrial_wireless_communication/wireless_solutions/mdc-211-zt.html



1. Connecting to PC, Monitor and Power Supply



※ Connect the MDC-211-ZT with RS-232 or RS-485 socket to the Modbus device according to the requirement.

2. Network Connection

MDC-211-ZT Factory Defaults			
Network communication	IP	192.168.255.1	Please follow your case to modify the network settings.
	Mask	255.255.0.0	
	Gateway	192.168.0.1	
Web account password	Account	Admin	Case-insensitive
	Password	Admin	

- 1) If the MDC-211-ZT and PC in different network domain, please change the PC's IP address, or use any of the following software to modify the MDC-211-ZT IP address, detailed steps see the user manual.
 - eSearch Utility
<http://ftp.icpdas.com/pub/cd/tinymodules/napdos/software/esearch/>
 - ZT-2000 Configuration Utility
http://ftp.icpdas.com.tw/pub/cd/usbcd/napdos/zigBee/zt_series/utility/
- 2) Open a PC side Browser (IE / Chrome / Firefox, resolution: 800 x 600 or higher), type the MDC-211-ZT's IP, and log in the web page by the default account and password.

3. Set Communication Port

Follow these steps to configure the communication port :

Click【 Module Setting 】→【 Port Setting (ZigBee / Ethernet / Serial Port) 】
→ 【 Modify 】 → 【 Save 】

4. Set Modbus Master and Modbus Slave

Follow the steps to set up the Modbus related features:

Click 【Module Setting】 → 【Modbus RTU/TCP】 → 【Modify】 → 【Save】

※ When the communication port is Modbus master, you can add polling information for the Modbus device.

The image shows two overlapping windows from a software interface. The top window is titled "MBRTU Device" and contains the following sections:

- Module**:
 - Module Name: ZT-2060
 - Modbus Address: 1
- Modbus Register**: A table with columns: Enabled, Function Code, Start, Length, Range, and an edit/delete icon.

Enabled	Function Code	Start	Length	Range	
<input checked="" type="checkbox"/>	01 Coils Output (0x)	0	4	[00000:00003]	
<input checked="" type="checkbox"/>	02 Discrete Input (1x)	0	6	[10000:10005]	

Below the table are a "+" button and "OK" and "Cancel" buttons. A red circle with the number "2" is placed in the top right corner of this window.

The bottom window is titled "ZigBee" and contains the following sections:

- ZigBee**:
 - Modbus Status: Modbus Master
 - Modbus Timeout: 200 (ms)
 - Modbus Retry: 3
 - Polling Interval: 0 (ms)
- Modbus Device**: A table with columns: Name, Address, 0x, 1x, 3x, 4x, and edit/delete icons.

Name	Address	0x	1x	3x	4x	
ZT-2060	0x01	4	6			
ZT-2043	0x02	14				

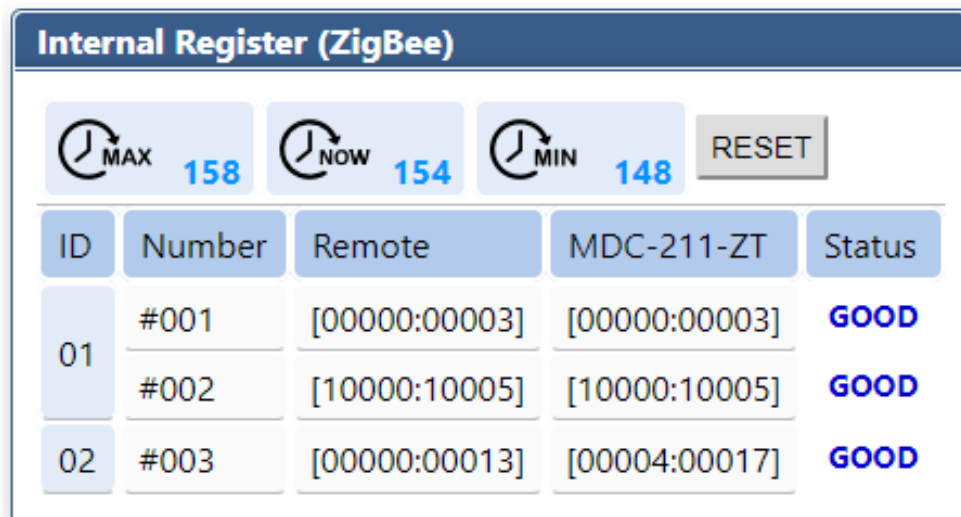
A "+" button is located at the bottom left of this window. A red circle with the number "1" is placed over this button. A red circle with the number "3" is placed over the "OK" button in the top window. Red arrows point from the "OK" button in the top window to the "+" button in the bottom window, and from the "+" button in the bottom window to the "ZT-2060" row in the Modbus Device table.

5. Confirm the Modbus Device Status

The polling status of each Modbus command and the address of the corresponding MDC-211-ZT internal buffer (inner-register) can be viewed on the Web interface.

Click **【 I/O Information 】** → **【 Inner Register 】**

- 1) “Status” field displays the real-time polling status of Modbus command.
- 2) “MDC-211-ZT” field shows the address of the internal buffer. The host computer (Modbus Master) can indirectly retrieve the real-time information of the Modbus device.



ID	Number	Remote	MDC-211-ZT	Status
01	#001	[00000:00003]	[00000:00003]	GOOD
	#002	[10000:10005]	[10000:10005]	GOOD
02	#003	[00000:00013]	[00004:00017]	GOOD

6. Export and Import the System Setting

Users can import or export a *.csv file for module setting or system backup.

- 1) Export:

Click **【 Module Setting 】** → **【 Import/Export 】** → **【 Export 】**

- 2) Import:

Click **【 Module Setting 】** → **【 Import/Export 】** → **【 Choose File 】** → **【 Import 】**
