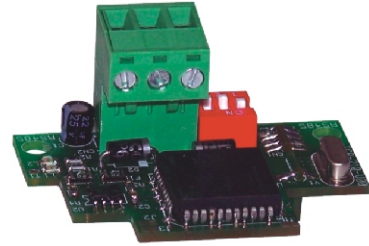


■ Features

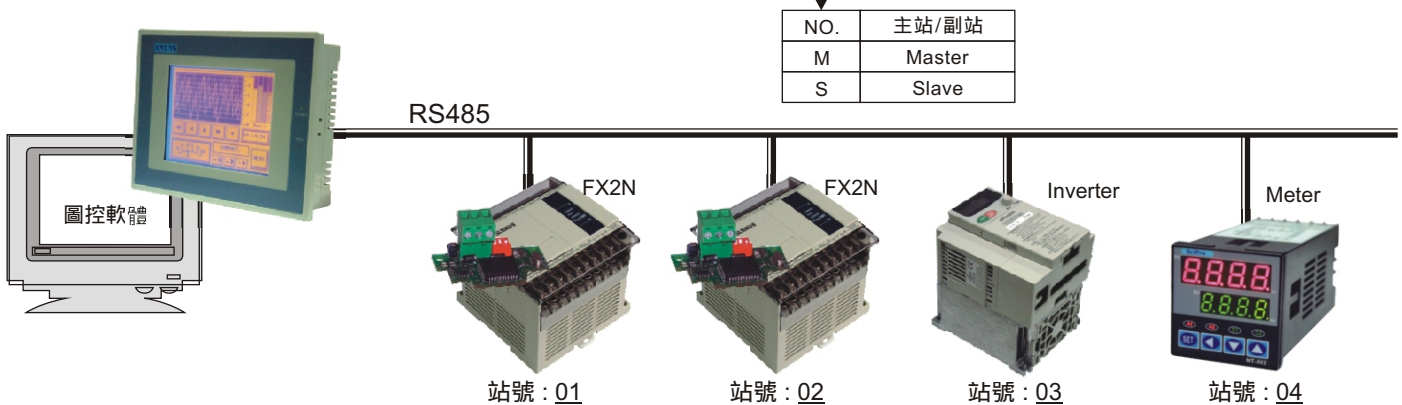
將FX2N PLC通訊格式，轉換為Modbus通訊格式，以達到多台PLC相互連結，及整合所有Modbus裝置。



- Support MODBUS slave station protocols.
- Function code 3 to 10 are supported.
- Two transmission modes of RTU.

■ System Configuration

■ 選購選號 FX2N-M485-BD-



■ Specifications

Item	Specifications
Interface	RS-232/422/485
Transmission mode	Half-duplex
Protocol	Modbus RTU mode
Transmission speed	300.....115200 bps
Data bits	7 / 8
Parity check	Even / Odd / None
Stop bit	1 / 2
Function code	03 / 04 / 06 / 08 / 10
Time out	Character and character 3msec

■ Pin Assignments

Pin	Function
1	TR+
2	TR-
3	SG

■ MODBUS functions

Code	Function
03	Read holding register
04	Read input register
06	Preset single register
08	Loopback test
10	Force multiple register

■ Register range

Modbus register	FX2N register
40000	D0000
40001	D0001
.....
.....
.....
47999	D7999

■ FX2N PLC 暫存器設定

D8120 = k0

D7900 = 通訊參數設定

bit3 ~bit0 : Modbus 通訊格式

- | | |
|----------------|----------------|
| 0 = 7, odd, 1 | 1 = 7, even, 1 |
| 2 = 8, none, 1 | 3 = 7, odd, 2 |
| 4 = 7, even, 2 | 5 = 8, odd, 1 |
| 6 = 8, even, 1 | 7 = 8, none, 2 |
| 8 = 7, none, 2 | |

bit7 ~bit4 : Modbus 通訊速率

- | | |
|------------|-----------|
| 0 = 115200 | 1 = 57600 |
| 2 = 38400 | 3 = 19200 |
| 4 = 9600 | 5 = 4800 |
| 6 = 2400 | 7 = 1200 |
| 8 = 600 | 9 = 300 |

bit15 ~bit8 : Modbus 站號 (0~255)

例 : D7900 = h0142 (站號 01)
(9600, 8, n, 1)

- D7901 = 0 (Modbus 有效起始位址 0 ~ 7899)
- D7902 = 7899 (Modbus 有效結束位址 0 ~ 7899)
- D7903 = 20 (Modbus 長度限制 1 ~ 20)