MODBUS ASCII Server

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	MODBUS ASCII Server		
PLC I/F	RS232	RS232, RS485	
Baud rate	9600	9600~115200	
Data bits	8	7,8	
Parity	Even	Even, Odd, None	
Stop bits	1	1	
PLC sta.	1	1-31	HMI Modbus Station No.

Online simulator	YES	**Extend address mode**	NO
Broadcast command	NO		

PLC Setting:

Communication mode	Modbus ASCII protocol

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	LB	dddd	0 ~ 9998	Mapping to 0x/1x 1 ~ 9999
W	LW	dddd	0 ~ 9998	Mapping to 3x/4x 1 ~ 9999
W	RW	ddddd	0 ~ 55536	Mapping to 3x/4x 10000 ~ 65536

LB0 = 0x0001, LB1 = 0x0002, LW0 = 3x0001, LW1 = 3x0002
Modbus RTU Server doesn't support function code 06(preset single register), please use function code 16(0x10, preset multiple registers).

Modbus Server Function Code:

0x	0x01 Read coil	0x05 write single coil
0x_multi_coils	0x01 Read coil	0x0f write multiple coils
1x	0x02 Read discrete input	N/A for write operation
3x	0x04 Read input register	N/A for write operation
4x	0x03 Read holding register	0x10 write multiple registers

Wiring Diagram:

Diagram 1

RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.

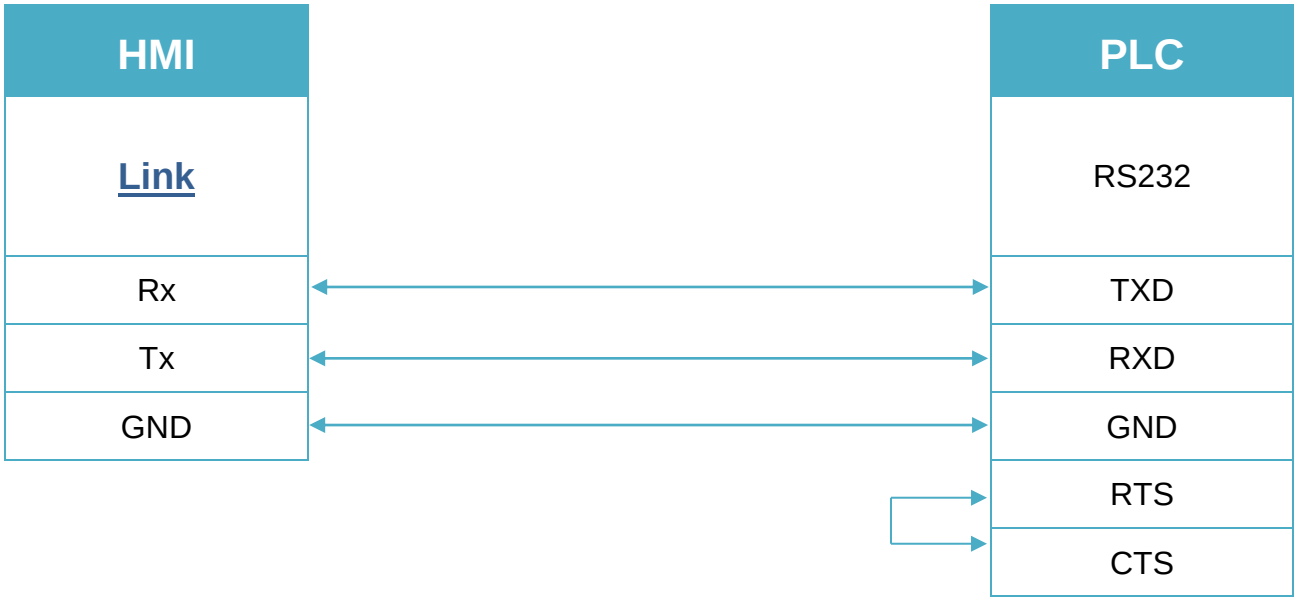


Diagram 2

RS-485 4W

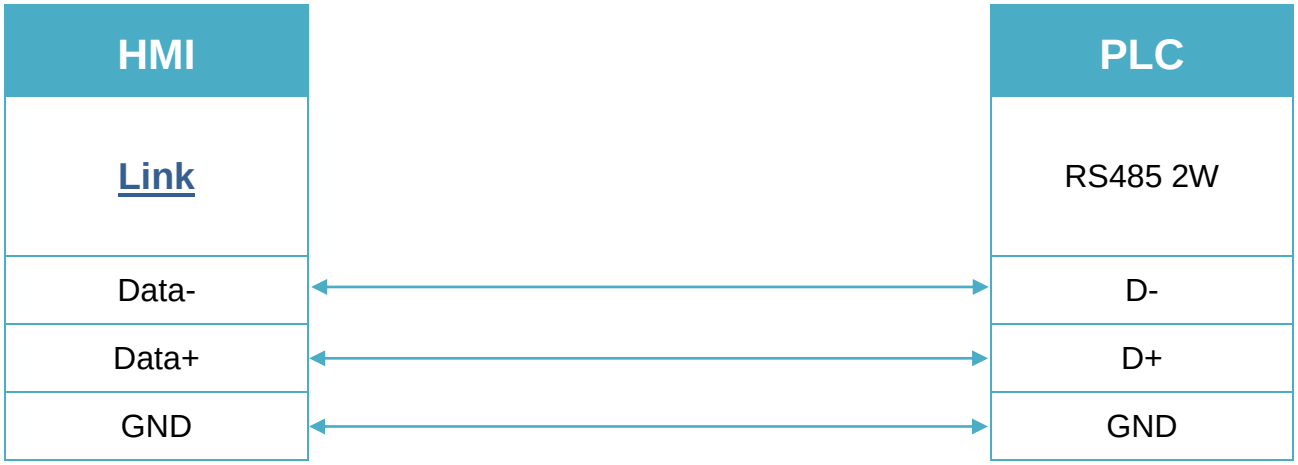
The serial port pin assignments may vary between HMI models, please click the following link for more information.

HMI		PLC
Link		RS485 4W
Rx-	⟷	Tx-
RX+	⟷	Tx+
Tx-	⟷	Rx-
Tx+	⟷	Rx+
GND	⟷	GND

Diagram 3

RS-485 2W

The serial port pin assignments may vary between HMI models, please click the following link for more information.



Note: Setting more than one Modbus ASCII Server in HMI Device List is of no effect.