WEINTEK

MODBUS ASCII

Supported Series: MODBUS ASCII CONTROLLER
Website: http://www.modbus.org

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	MODBUS ASCII		
PLC I/F	RS485	RS232/RS485	
Baud rate	9600	9600/19200/38400/ 57600/115200	
Data bits	8	7,8	
Parity	Even	Even, Odd, None	
Stop bits	1	1,2	
PLC sta. no.	1	0-255	

Online simulator	YES	**Broadcast command**	YES
Extend address mode	YES		

PLC Setting:

Communication mode	Modbus ASCII protocol

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	1x	DDDDD	1 ~ 65535	Input bit (read only)
B	0x	DDDDD	1 ~ 65535	Output bit
B	3x_Bit	DDDDDdd	100 ~ 6553515	Input Register bit (read only)
B	4x_Bit	DDDDDdd	100 ~ 6553515	Output Register bit
W	3x	DDDDD	1 ~ 65535	Input Register (read only)
W	4x	DDDDD	1 ~ 65535	Output Register
W	6x	DDDDD	1 ~ 65535	

Note: EBPro V6.03.02 or later supports 64 bits data type, but please note that the address limit range is 48 bits in maximum.

Modbus RTU function code:

0x	0x01 Read coil	0x05 write single coil
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

3xbit is equivalent to 3x

4xbit is equivalent to 4x

Wiring Diagram:

Diagram 1

RS-232

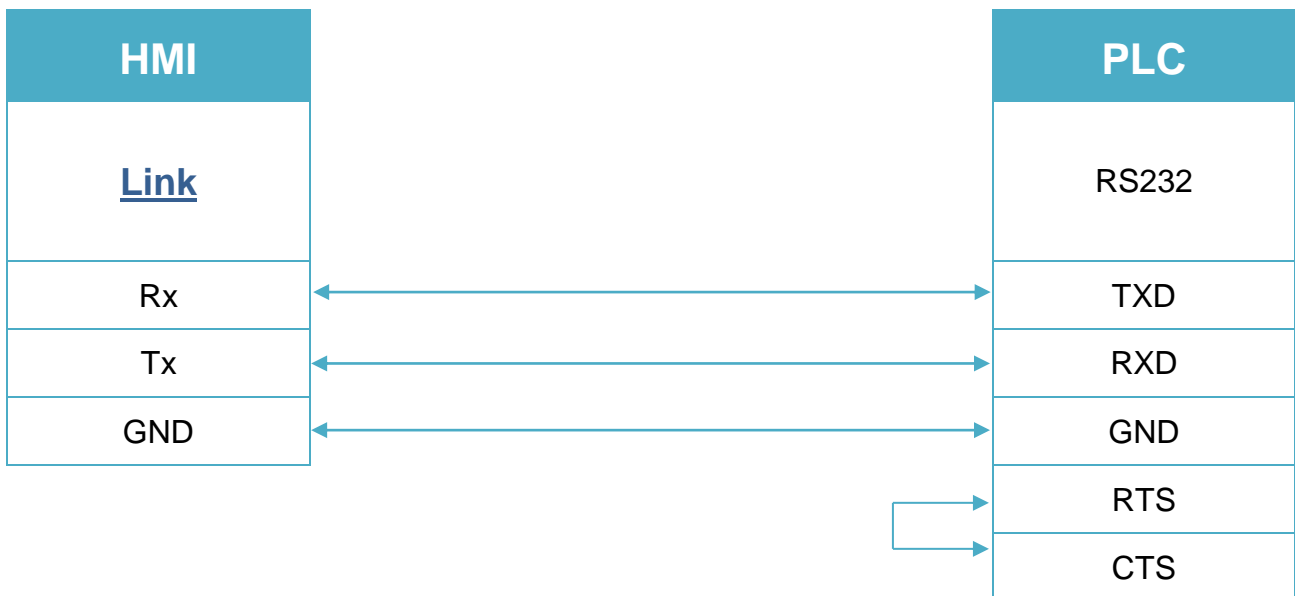The serial port pin assignments may vary between HMI models, please click the following link for more information.

HMI	PLC
Link	RS232
Rx	TXD
Tx	RXD
GND	GND
	RTS
	CTS

Diagram 2

RS-485 4W

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

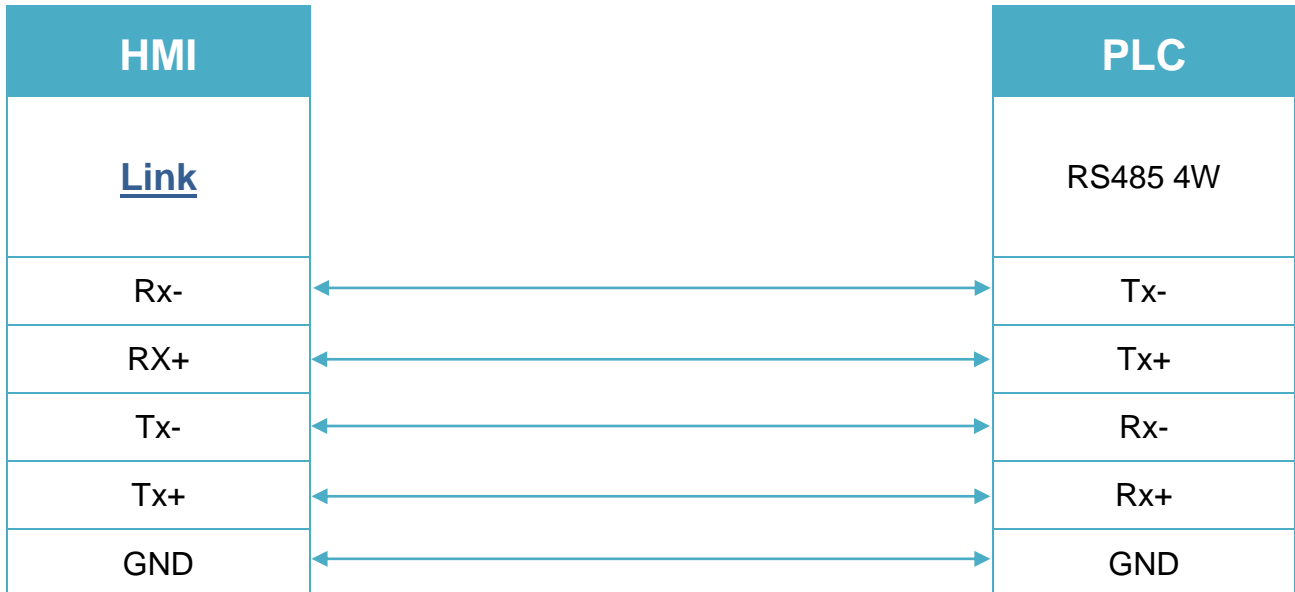| HMI		PLC
Link		RS485 4W
Rx-	←	Tx-
RX+	←	Tx+
Tx-	←	Rx-
Tx+	←	Rx+
GND	←	GND

Diagram 3

RS-485 2W

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

HMI	PLC
Link	RS485 2W
Data-	D-
Data+	D+
GND	GND