Modbus RTU / ASCII (Slave)

HMI Factory Setting:

Baud rate: 9600, 7, Even, 1 (ASCII); 9600, 8, Even, 1 (RTU)

Controller Station Number: 1 (No function)

Control Area / Status Area: W40100 / W40200

Connection

Please refer to “Pin Definition of Serial Communication” for more detail.

Definition of PLC Read/Write Address

a. Registers

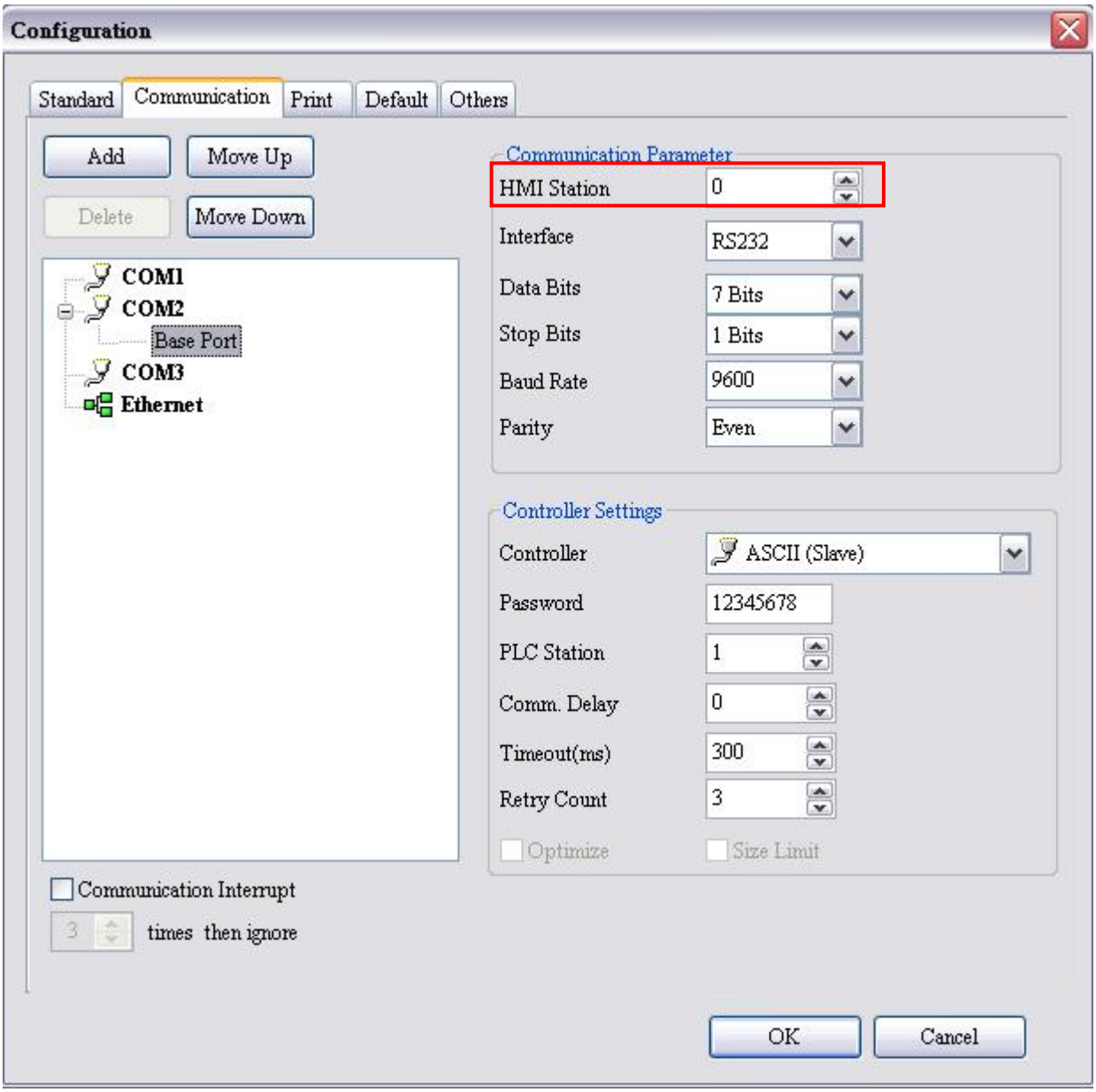
Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Output Registers	Wn	W40001 – W50000	Word	2

b. Contacts

Type	Format	Read/Write Range	Note
	Bit No. (b)		
Discrete Outputs	Bb	B1 – B2048	2

NOTE

1) When using this communication protocol, HMI station number is the Slave station number (default setting is 0).



2) Relationship between Modbus address HMI register:

Modbus Address	Modbus 6 Digits Address		Definition of Internal Registers in HMI	
W40001 – W41024	W4-00001 – W4-01024	→	$0 – $1023	Internal register
W42001 – W43024	W4-02001 – W4-00001	→	$M0 – $M1023	Non-volatile internal register
W44001	W4-04001	→	RCPNO	Receipt number register
W45001 ...	W4-05001 ...	→	RCP0 – RCPn	Receipt register
B00001 – B01024	B0-00001 – B0-01024	→	$2000.0 – $2063.15	Internal register (Bit)
B01025 – B02048	B0-01025 – B0-02048	→	$M200.0 – $M263.15	Non-volatile internal register (Bit)

For example, to read HMI internal memory $0, the Modbus address is W40001 and HMI will save W40001; to read non-volatile internal register $M200.1, then the Modbus address is B01026 and so on.