

Modbus 984 RTU / ASCII (Master)

HMI Factory Setting:

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

Controller Station Number: 0

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

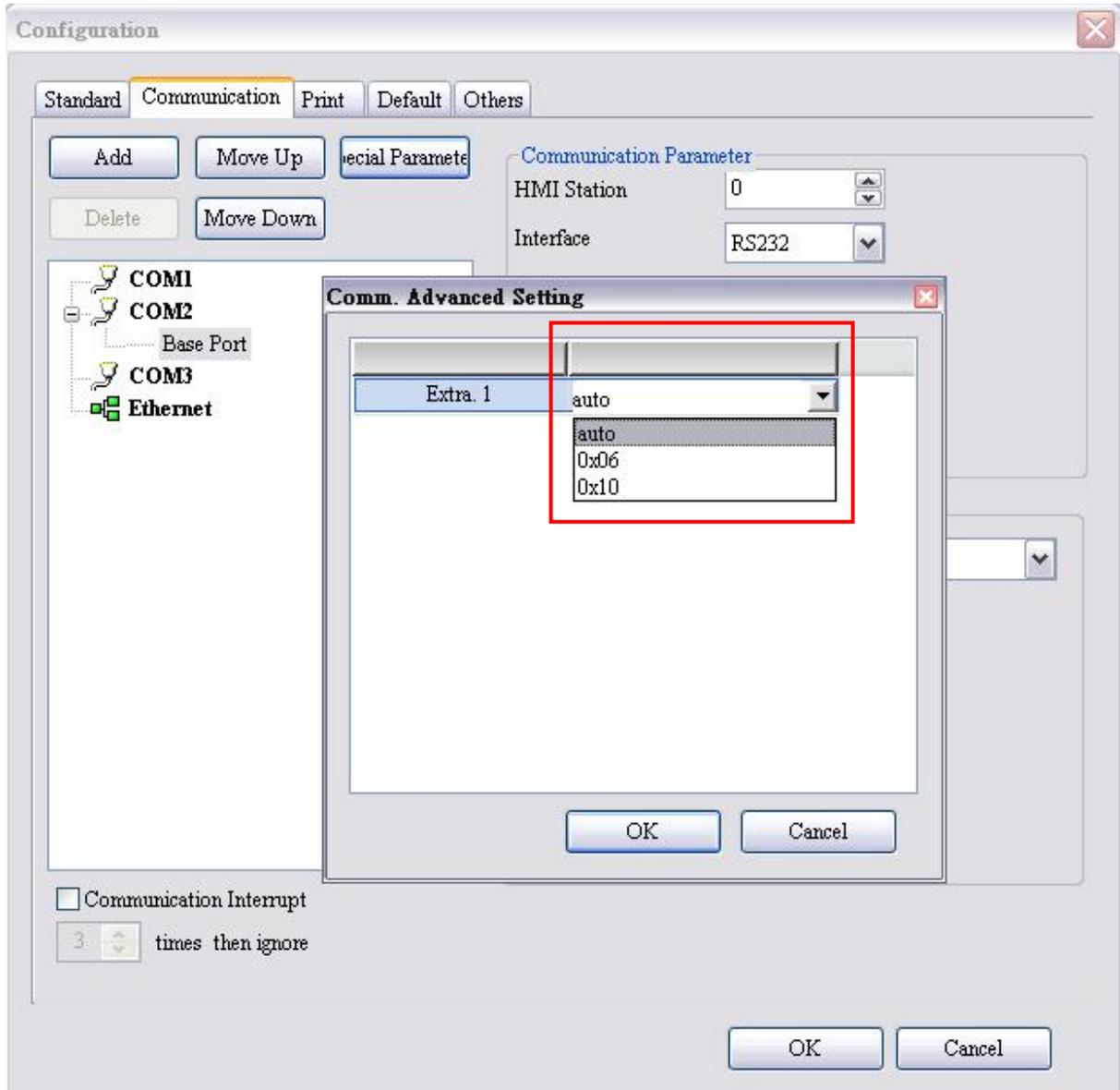
Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Output Registers	Wn	W40001 - W50000	Word	
Input Registers	Wn	W30001 - W40000	Word	Read only

b. Contacts

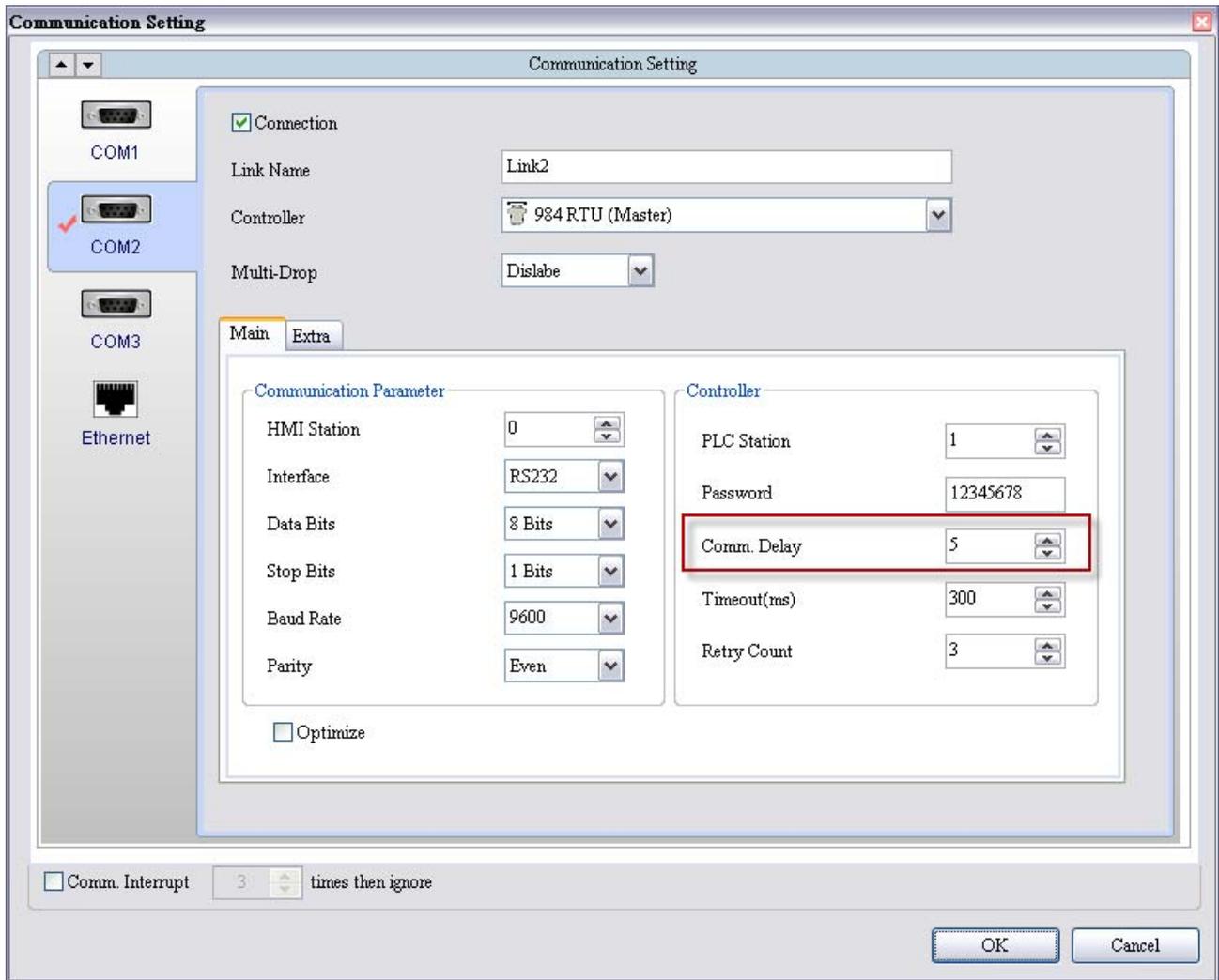
Type	Format	Read/Write Range	Note
	Bit No. (b)		
Discrete Outputs	Bb	B1 - B10000	
Discrete Inputs	Bb	B10001 - B20000	Read only

NOTE

- 1.) If the controller requests certain Modbus input during the connection, it can be done through special parameter setting. When the default value is set to Auto, HMI will automatically react to a single inputted command(0x06) or a multiple inputted command (0x10) according to the data length.



- 2.) Suggest set a communication delay time of 5ms or longer to Master HMI, otherwise Slave HMI will get wrong if requests are frequently.



- 3.) 984RTU(Master) is Modbus standard communication programming; RTU nW(master) is special communication programming, they are same except following three divergence.
- a · Broadcast
 - i. 984RTU(Master), Controller Station Number 0 is broadcast.
 - ii. RTU nW(Master) is no broadcast, Controller Station Number 0 is normal station.
 - b · Register Input
 - i. 984RTU(Master) has two inputted command, single inputted command(0x06) or a multiple inputted command (0x10).
 - ii. RTU nW(Master) only has one inputted command(0x10).
 - c · Contacts output
 - i. 984RTU(Master) only got one contact for once communication.

- ii. RTU nW(Master) only got 16 contacts for once communication. › it is special specification.