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

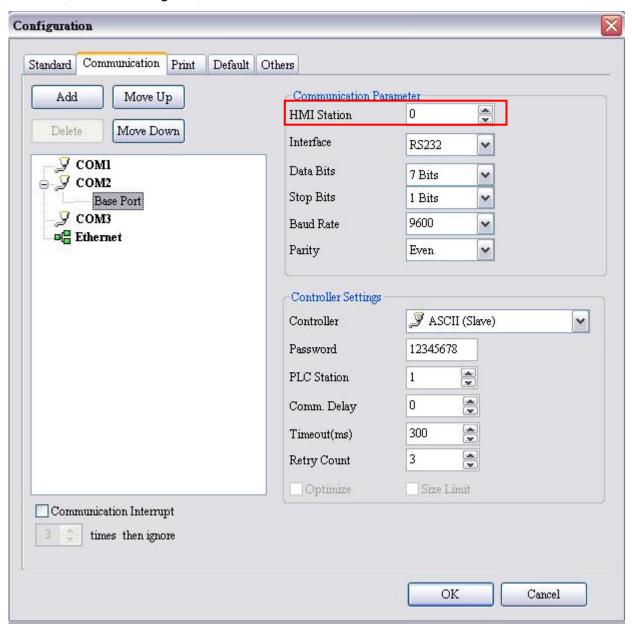
Туре	Format	Dood /M/vita Danga	Data Length	Note
	Word No. (n)	Read/Write Range		
Output Registers	W n	W 40001 - W 50000	Word	<u>2</u>

b. Contacts

Туре	Format Bit No. (b)	Read/Write Range	Note
Discrete Outputs	B b	B1 - B2048	<u>2</u>



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		Data Definition in HMI		
W 40001 - W 41024	→	\$0 - \$1023	Internal register	
W 42001 - W 43024	\rightarrow	\$M 0 - \$M 1023	Non-volatile internal register	
W 44001	\rightarrow	RCPNO	Receipt number register	
W 45001	\rightarrow	RCP0 - RCPn	Receipt register	
B 00001 - B 01024	\rightarrow	\$2000.0 - \$2063.15	Internal register (Bit)	
B 01025 - B 02048	\rightarrow	\$M 200.0 - \$M 263.15	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.

157