

Memory Link (Extend Mode - ASCII [1:1])

Connect external device.

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Memory Link (Extend Mode - ASCII [1:1])		
Com port	RS232		
Baud rate	9600	1200~115200	
Parity bit	None	Even, Odd, None	
Data Bits	8	8	
Stop Bits	1	1	
HMI Station No.	0		
PLC Station No.	0		

Online Simulator	YES	Extend address mode	NO
Broadcast command	NO		

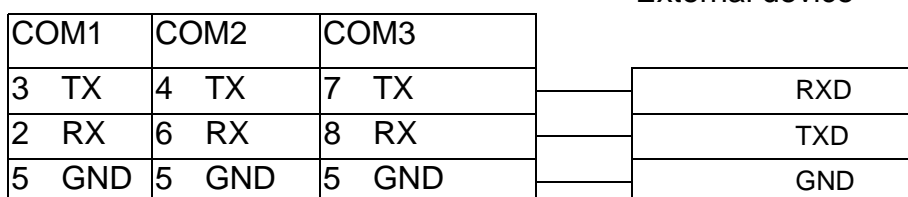
Device address:

Bit/Word	Device Type	Format	Range	Memo
B	LS_bit	dddd(dd)	dddd:0~8191 (dd): 0~15	LS bit address
W	LS	dddd	dddd:0~8191	

Wiring diagram:

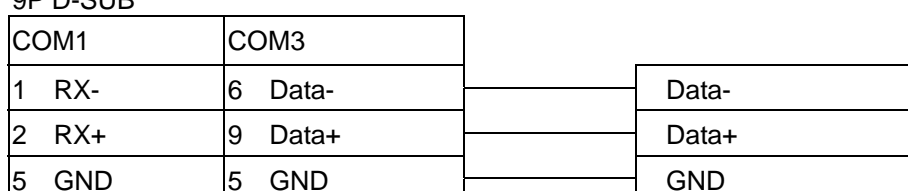
RS-232:

MT8000 RS232
9P D-SUB



RS-485:

MT8000 PLC[485]
9P D-SUB



Memory Link Command:

Read command

Read LS 10, 1word

HMI send: 1B 52 30 30 30 41 30 30 30 31 46 46 0D 0A

Device response: 1B 41 30 30 30 03 31 46 0D 0A

HMI send

1B	52	30 30 30 41	30 30 30 31	46 46	0D 0A
ESC	R	Address (4 bytes)	Number of data (4 bytes)	Sum check code	CR LF

ESC R Read command

The sum check is the lower one byte of the sum of all data.

$$1B+52+30+30+30+41+30+30+30+31 = 1FF$$

$$\text{Sum check} = FF = 0x46 \ 0x46.$$

Device response

1B	41	30 30 30 30	03	31 46	0D 0A
ESC	A	Data 1 (4 bytes)	ETX	Sum check code	CR LF

$$1B+41+30+30+30+30+03 = 11F$$

$$\text{Sum check} = 1F = 0x31 \ 0x46.$$

Write command

Write LS 10, 1word

HMI send: 1B 57 30 30 30 41 30 30 30 31 30 30 38 30 43 43 0D 0A

Device response: 06 0D 0A

HMI send

1B	57	30 30 30 31	30 30 30 31	30 30 38 30	43 43	0D 0A
ESC	W	Address (4 bytes)	Number of data (4 bytes)	Data 1 (4 bytes)	Sum check code	CR LF

ESC W Write command

The sum check is the lower one byte of the sum of all data.

$$1B+57+30+30+30+41+30+30+30+31+30+30+38+30 = 7E$$

Device response

0x06

ACK

ACK write success.