

# Memory Link Server (Extend Mode - Binary)

Connect external device.

## HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Memory Link Server (Extend Mode - Binary)		
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		

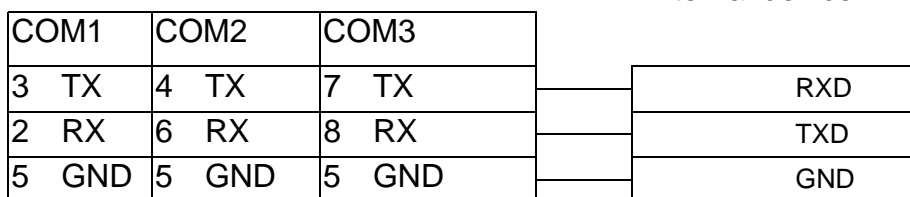
## Device address:

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

## Wiring diagram:

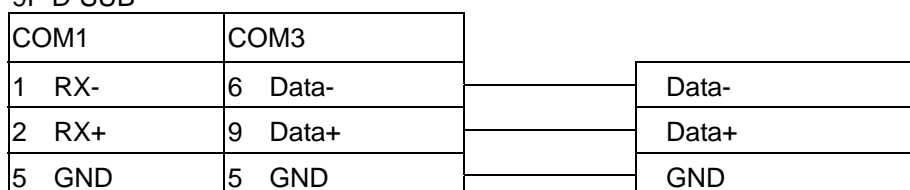
RS-232:

MT8000 RS232  
9P D-SUB



RS-485:

MT8000 PLC[485]  
9P D-SUB



# Memory Link Command:

## Read command

Read LS 10, 1word

Device send: 1B 52 00 0A 00 01 78

HMI response: 1B 41 00 00 03 5F

Device send

0x1B	0x52	0x00 0x0A	0x00 0x01	0x78
ESC	R	Address(2 bytes)	Number of data(2 bytes)	Sum check code

ESC R Read command

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

$$1B + 52 + 00 + 0A + 00 + 01 = 78$$

HMI response

0x1B	0x41	0x00 0x00	0x03	0x5F
ESC	A	Data 1(2 bytes)	ETX	Sum check code

$$1B + 41 + 00 + 00 + 03 = 5F$$

## Write command

Write LS 10, 1word

Device send: 1B 57 00 0A 00 01 01 00 7E

HMI response: 06

Device send

0x1B	0x57	0x00 0x0A	0x00 0x01	0x01 0x00	0x7E
ESC	W	Address (2 bytes)	Number of data (2 bytes)	Data 1 (2 bytes)	Sum check code

ESC W Write command

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

$$1B+57+00+0A+00+01+01+00 = 7E$$

HMI response

0x06
ACK

ACK write success.

## Interrupt command

When HMI write data to LW9024, the HMI will send the interrupt command.

External device doesn't need send response.

HMI send

0x1B	0x49	0x01	0x63	0x03	0xCB
ESC	I	Number of data (1 byte)	Data (1 byte)	EXT	Sum check Code

Number of data (1 bytes) fixed 1 data byte.

Data (1 byte) LW9024 value, from 0 to 0xFF.