OMRON C/CQM1 Series

Supported Series: OMRON C, CPM, CPL, CQM Series (Host Link Protocol)
Website: http://www.omron.com/

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	OMRON C/CQM1 Series		
PLC I/F	RS232	RS232, RS422, RS485	
Baud rate	9600	9600, 19200	
Data bits	7	7 or 8	
Parity	Even	Even, Odd, None	
Stop bits	2	1 or 2	
PLC sta. no.	0	0-31	Host Link Station No.

Online simulator	YES	Broadcast command	YES
Extend address mode	YES		

*Support communications between HMI and PLC in pass-through mode

*Set LW-9903 to 2 to enhance the speed of download/upload PLC program in pass-through mode

PLC Setting:

Communication mode	Host Link Protocol / PLC must be set to monitor mode

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	IR	DDDDdd	0 ~ 409515	I/O and Internal Relay
B	HR	DDDDdd	0 ~ 409515	Hold Relay
B	LR	DDDDdd	0 ~ 409515	Link Relay
B	IR (Force Set/Reset)	DDDDdd	0 ~ 409515	
B	HR (Force Set/Reset)	DDDDdd	0 ~ 409515	
B	LR (Force Set/Reset)	DDDDdd	0 ~ 409515	
B	AR	DDDDdd	0 ~ 409515	Auxiliary Relay
W	AR_W	DDDD	0 ~ 4095	
W	IR_W	DDDD	0 ~ 4095	
W	HR_W	DDDD	0 ~ 4095	

Bit/Word	Device type	Format	Range	Memo
W	LR_W	DDDD	0 ~ 4095	
W	TC	DDD	0 ~ 511	
W	DM	DDDD	0 ~ 9999	Data Register

Wiring Diagram:

Diagram 1

RS-232

CPU Port (CPM2A,CQM1/1H,C200H/HS/ALPHA series)

Communication Module:

CPM1-CIF01 adapter (for CPM1/CPM1A/CPM2A series, CQM1/CQM1H series)

CPM1H-SCB41 communication module (for CQM1H-CPU51/61)

The serial port pin assignments may vary between HMI models, please click the following link for more information.
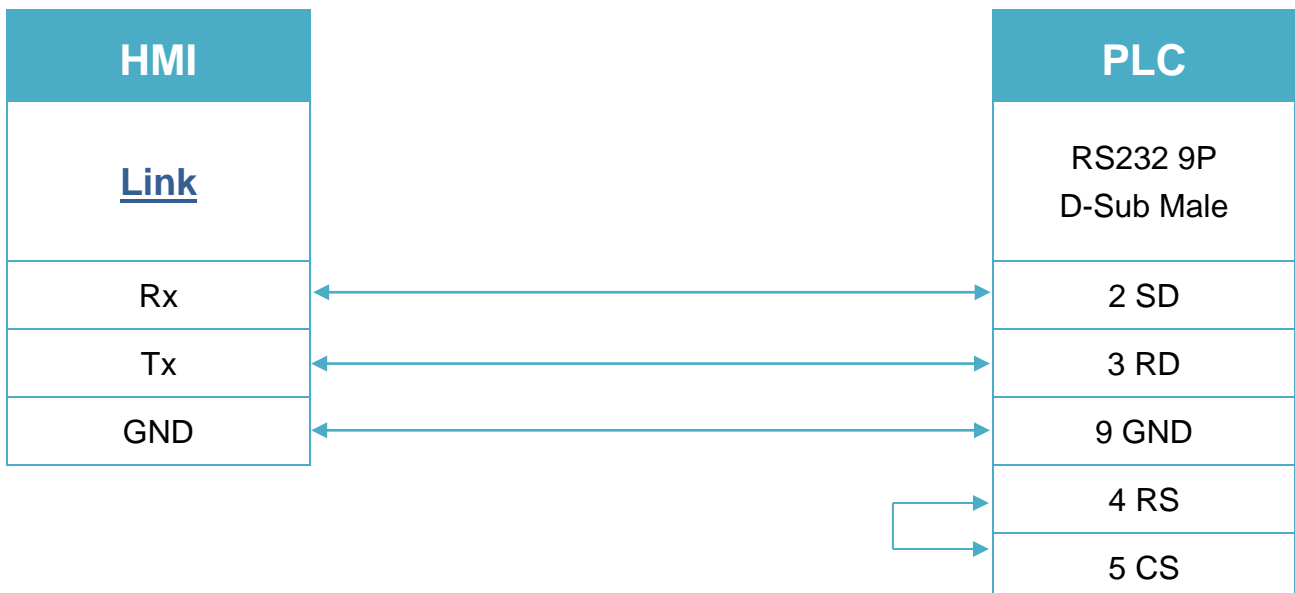
HMI	PLC
Link	RS232 9P D-Sub Male
Rx	2 SD
Tx	3 RD
GND	9 GND
	4 RS
	5 CS

WEINTEK

Diagram 2

RS-232

C200h-LK201,3G2A6-LK201 communication module

C200HW-COM02/03/04/05/06 communication module

The serial port pin assignments may vary between HMI models, please click the following link for more information.

HMI	PLC
Link	RS232 9P D-Sub Male
Rx	2 SD
Tx	3 RD
GND	7 GND
	4 RS
	5 CS