

OMRON CJ/CS/CP

Supported Series: OMRON CP1L, CP1H, CJ1M, CJ2M, CJ1H, CJM1G, CS1H and CS1G. (Host Link Protocol FINS command), this driver supports Extend Addressing Mode.

Website: <http://oeiweb.omron.com/oei/Products-PLC.htm>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	OMRON CJ/CS/CP		
PLC I/F	RS232	RS232, RS422, RS485	
Baud rate	9600	9600~115200	
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	Extend address mode	YES
Broadcast command	NO		

PLC Setting:

Communication mode	Host Link Protocol
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Device Address:




Bit/Word	Device type	Format	Range	Memo
B	CIO_Bit	DDDDDDdd	0 ~ 3276715	Channel I/O (CIO)
B	W_Bit	DDDDDDdd	0 ~ 3276715	Work Area (WR)
B	H_Bit	DDDDDDdd	0 ~ 3276715	Holding Area (HR)
B	D_Bit	DDDDDDdd	0 ~ 3276715	Data Memory (DM)
B	A_Bit	DDDDDDdd	0 ~ 3276715	Auxiliary Relay (AR)
B	T_Bit	DDDDDDdd	0 ~ 3276715	Timer (TIM)
B	C_Bit	DDDDDDdd	0 ~ 3276715	Counter (CNT)
B	C_flag	DDDD	0 ~ 4095	
B	T_flag	DDDD	0 ~ 4095	

Bit/Word	Device type	Format	Range	Memo
B	LR_Bit	DDDdd	0 ~ 19915	
W	T	DDDDD	0 ~ 32767	Timer (TIM)
W	H	DDDDD	0 ~ 32767	Holding Area (HR)
W	D	DDDDD	0 ~ 32767	Data Memory (DM)
W	A	DDDDD	0 ~ 32767	Auxiliary Relay (AR)
W	W	DDDDD	0 ~ 32767	Work Area (WR)
W	C	DDDDD	0 ~ 32767	Counter (CNT)
W	CIO	DDDDD	0 ~ 32767	Channel I/O (CIO)
W	EM0 ~ EMC	DDDDD	0 ~ 32767	Extend Memory
W	LR	DDD	0 ~ 199	





Wiring Diagram:

9P D-Sub to 9P D-Sub:



eMT3000 series

COM1 RS232 9P D-Sub Female	COM3 RS232 9P D-Sub Female		RS232 9P D-Sub Male
2 RX	8 RX		2 SD
3 TX	7 TX		3 RD
5 GND	5 GND		9 GND
			4 RS
			5 CS
			circuit
			



MT6000/8000 series except MT6050i/MT8050i

COM1 RS232 9P D-Sub Female	COM2 RS232 9P D-Sub Female	COM3 RS232 9P D-Sub Male	RS232 9P D-Sub Male
2 RX	6 RX	8 RX	2 SD
3 TX	4 TX	7 TX	3 RD
5 GND	5 GND	5 GND	9 GND
			4 RS
			5 CS
			circuit
			



MT6050i/MT8050i

COM1 RS232 9P D-Sub Female			RS232 9P D-Sub Male
9 RX			2 SD
6 TX			3 RD
5 GND			9 GND
			4 RS
			5 CS
			circuit
			



CP1H/CP1L CP1W-CIF11 RS485 4W : 9P D-Sub to Terminals:
eMT3000 series

COM1 RS485 4W 9P D-Sub Male			CP1W-CIF11 RS485 4W Terminal
1 RX-			SDA
2 RX+			SDB
3 TX-			RDA
4 TX+			RDB
5 GND			FG
			

MT6000/8000 series except MT6050i/MT8050i

COM1 RS485 4W 9P D-Sub Male			CP1W-CIF11 RS485 4W Terminal
1 RX-			SDA
2 RX+			SDB
3 TX-			RDA
4 TX+			RDB
5 GND			FG
			

MT6050i/MT8050i

COM1 RS485 4W 9P D-Sub Female			CP1W-CIF11 RS485 4W Terminal
1 RX-			SDA
2 RX+			SDB
3 TX-			RDA
4 TX+			RDB
5 GND			FG
			

CP1W-CIF11: SW1 ON, others OFF.

Driver Version:

Version	Date	Description
V1.90	Feb/01/2011	Added registers: LR, LR_Bit