

## OMRON CJ/CS/CP

Supported Series: OMRON CP1E, CP1L, CP1H, CJ1M, CJ2M, CJ1H, CJM1G, CS1H and CS1G. (Host Link Protocol FINS command), this driver supports Extend Addressing Mode.

Website: <http://www.omron.com/>

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	OMRON CJ/CS/CP		
<b>PLC I/F</b>	RS232	RS232, RS422, RS485	
<b>Baud rate</b>	9600	9600~115200	
<b>Data bits</b>	7	7 or 8	
<b>Parity</b>	Even	Even, Odd, None	
<b>Stop bits</b>	2	1 or 2	
<b>PLC sta. no.</b>	0	0-31	Host Link Station No.

<b>Online simulator</b>	YES	<b>Extend address</b>	YES
<b>Broadcast</b>	NO		

\*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:

<b>Communication</b>	Host Link Protocol
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### Device Address:

Bit/Word	Device type	Format	Range	Memo
B	CIO_Bit	DDDDdd	0 ~ 3276715	Channel I/O (CIO)
B	W_Bit	DDDDdd	0 ~ 3276715	Work Area (WR)
B	H_Bit	DDDDdd	0 ~ 3276715	Holding Area (HR)
B	D_Bit	DDDDdd	0 ~ 3276715	Data Memory (DM)
B	A_Bit	DDDDdd	0 ~ 3276715	Auxiliary Relay (AR)
B	T_Bit	DDDDdd	0 ~ 3276715	Timer (TIM)
B	C_Bit	DDDDdd	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	
B	EM0_Bit ~ EM18_Bit	DDDDDDdd	0 ~3276715	Extend Memory
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 ~ EM18	DDDDD	0 ~ 32767	Extend Memory
W	LR	DDD	0 ~ 199	

## Wiring Diagram:

RS-232 9P D-Sub (Diagram 1 ~ Diagram 3)

### Diagram 1

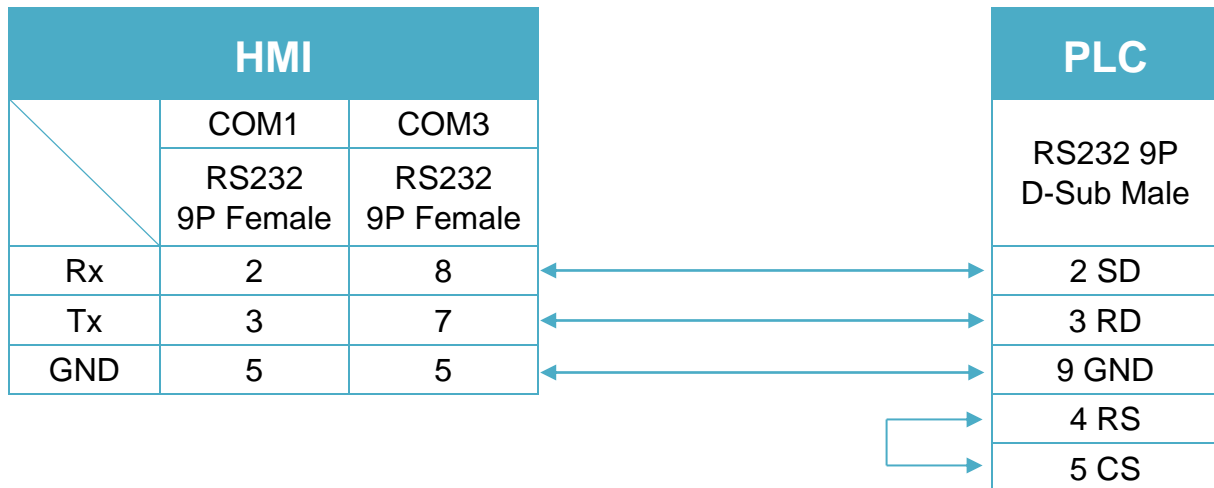
**cMT Series**                      *cMT3071 / cMT3072 / cMT3090 / cMT3103 /cMT3151*

**eMT Series**                      *eMT3070/ eMT3105 / eMT3120 / eMT3150*

**MT-iE**                              *MT8073iE / MT8102iE*

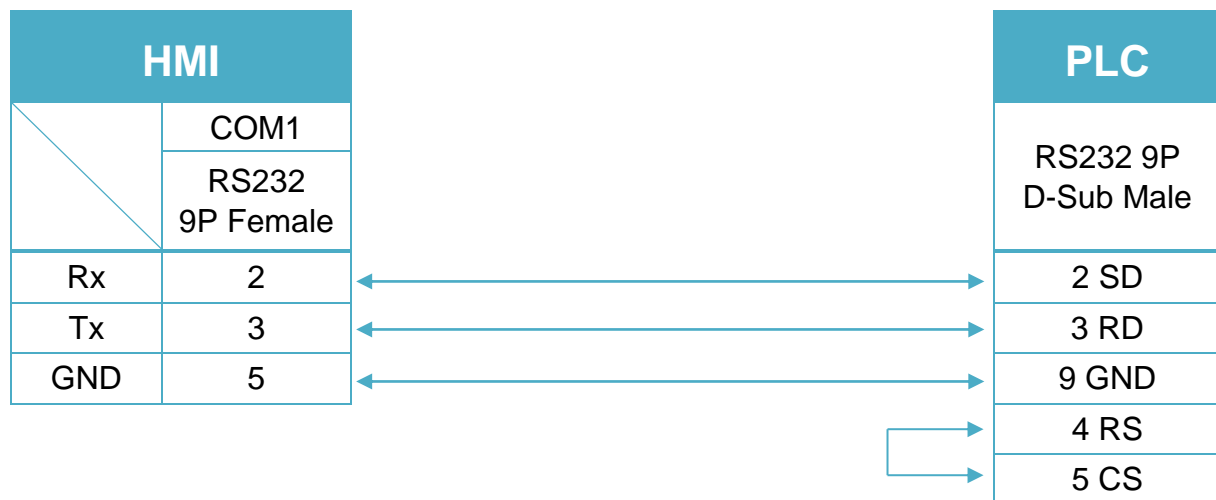
**MT-XE**                              *MT8092XE*

**MT-iP**                                *MT6103iP / MT8102iP*



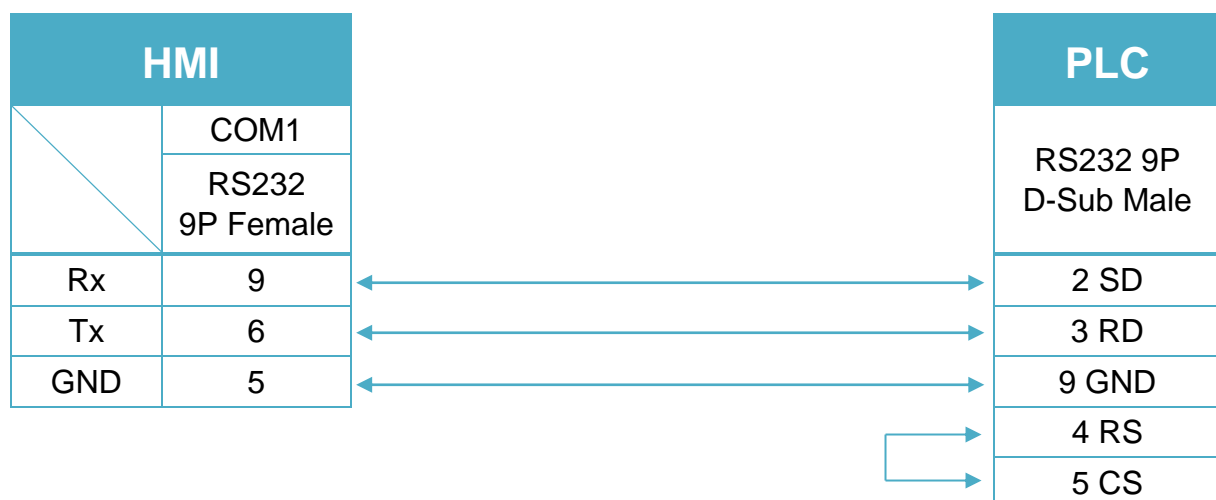
## Diagram 2

<b>cMT Series</b>	<b><i>cMT-SVR/ cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD</i></b>
<b>mTV</b>	<b><i>mTV</i></b>
<b>MT-iE</b>	<b><i>MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE / MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE / MT8101iE / MT8102iE / MT8103iE</i></b>
<b>MT-XE</b>	<b><i>MT8121XE / MT8150XE / MT8090XE</i></b>



## Diagram 3

<b>MT-iE</b>	<b><i>MT8050iE / MT8053iE</i></b>
<b>MT-iP</b>	<b><i>MT6051iP/ MT8051iP / MT6071iP / MT8071iP</i></b>

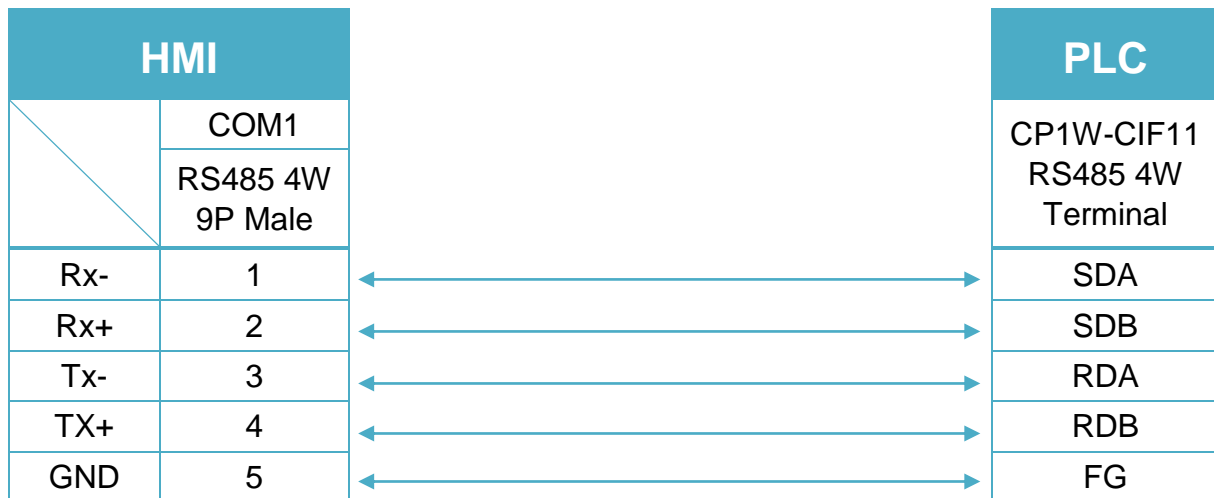


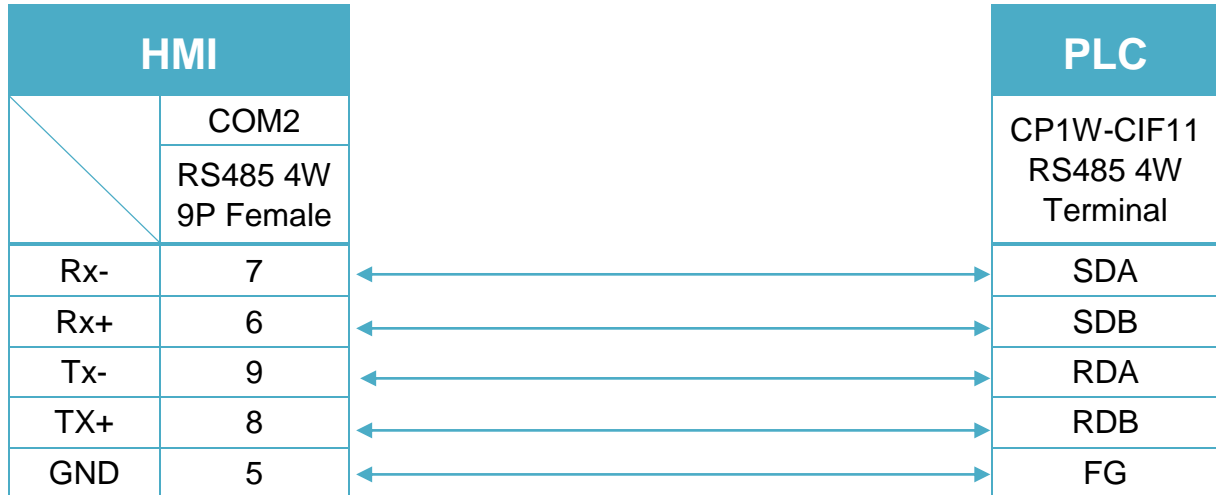
RS-485 4W Terminal (Diagram 4 ~ Diagram 7)

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

### Diagram 4

<b>cMT Series</b>	<b><i>cMT3151</i></b>
<b>eMT Series</b>	<b><i>eMT3070 / eMT3105 / eMT3120 / eMT3150</i></b>
<b>MT-iE</b>	<b><i>MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE</i></b>
<b>MT-XE</b>	<b><i>MT8121XE / MT8150XE</i></b>



**Diagram 5**
**cMT Series**
*cMT-SVR / cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD*
**mTV**
*mTV*


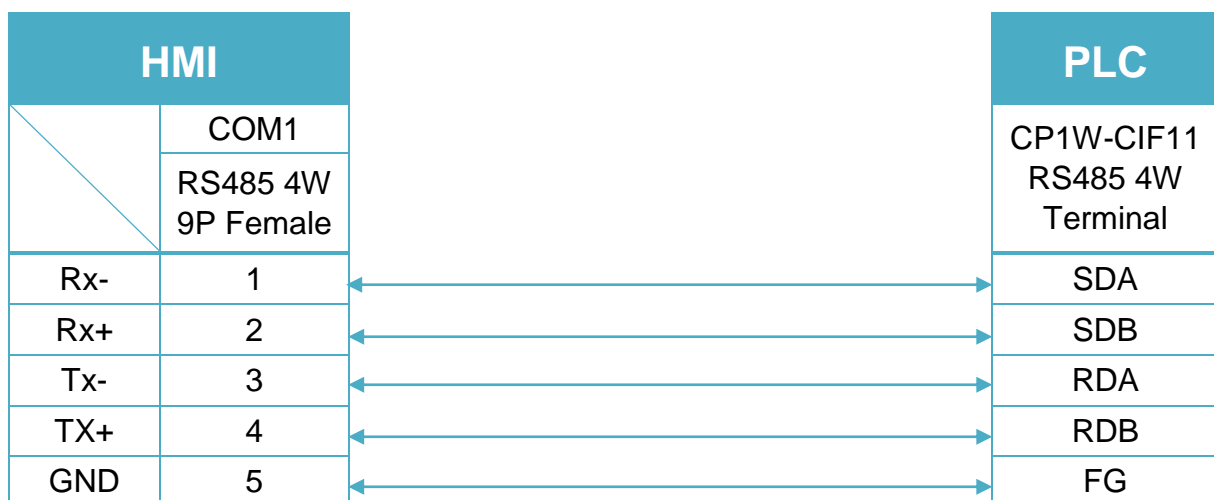
## Diagram 6

<b>cMT Series</b>	<b><i>cMT3071 / cMT3072 / cMT3090 / cMT3103</i></b>
<b>MT-iE</b>	<b><i>MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE / MT8101iE / MT8102iE / MT8103iE</i></b>
<b>MT-XE</b>	<b><i>MT8090XE / MT8092XE</i></b>
<b>MT-iP</b>	<b><i>MT6071iP / MT8071iP / MT6103iP / MT8102iP</i></b>



## Diagram 7

<b>MT-iE</b>	<b><i>MT8050iE / MT8053iE</i></b>
<b>MT-iP</b>	<b><i>MT6051iP / MT8051iP</i></b>



CP1W-CIF11: SW1 ON, others OFF.