

Siemens TI505

Supported Series: SIMATIC TI505 Series PLCs: TI520, TI525, TI530, TI535, TI545, TI555, TI560, TI565, TI575. Use NITP protocol in a point-to-point, single master, single slave format.

CTI 2500 Series PLCs (Classic and Compact): C100, C200, C300 and C400.

Website Siemens: <http://www.siemens.com/entry/cc/en/>

Website CTI: <http://www.controltechnology.com/>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	SIMATIC TI505		NITP protocol
PLC I/F	RS232	RS232, RS485 4W	
Baud rate	19200	19200	
Data bits	7	7	
Parity	Odd	Odd	
Stop bits	1	1	
PLC sta. no.	0	Does not apply	
Model	TI505	TI505 / TI545	V1.90 or later support

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	CR	DDDDD	1 ~ 65535	Internal Relay
B	X	DDDDD	1 ~ 65535	Discrete Input Coils
B	Y	DDDDD	1 ~ 65535	Discrete Output Coils
B	V_Bit	DDDDDdd	101 ~ 6553616	User Data Register Bits
W	V	DDDDD	1 ~ 65535	User Data Registers
DW	VD	DDDDD	1 ~ 65536	User Data Registers (32bit)
W	STW	DDDDD	1 ~ 65535	Status Word Registers
W	TCP	DDDDD	1 ~ 65535	Timer/Counter Preset Values
W	TCC	DDDDD	1 ~ 65535	Timer/Counter Current Values
W	WX	DDDDD	1 ~ 65535	Word Discrete Inputs
W	WY	DDDDD	1 ~ 65535	Word Discrete Outputs

Wiring Diagram:

RS-232 25P D-Sub (Diagram 1 ~ Diagram 3)

Diagram 1

cMT Series	<i>cMT3071 / cMT3072 / cMT3090 / cMT3103 / cMT3151</i>
eMT Series	<i>eMT3070 / eMT3105 / eMT3120 / eMT3150</i>
MT-iE	<i>MT8073iE / MT8102iE</i>
MT-XE	<i>MT8092XE</i>
MT-iP	<i>MT6103iP / MT8102iP</i>

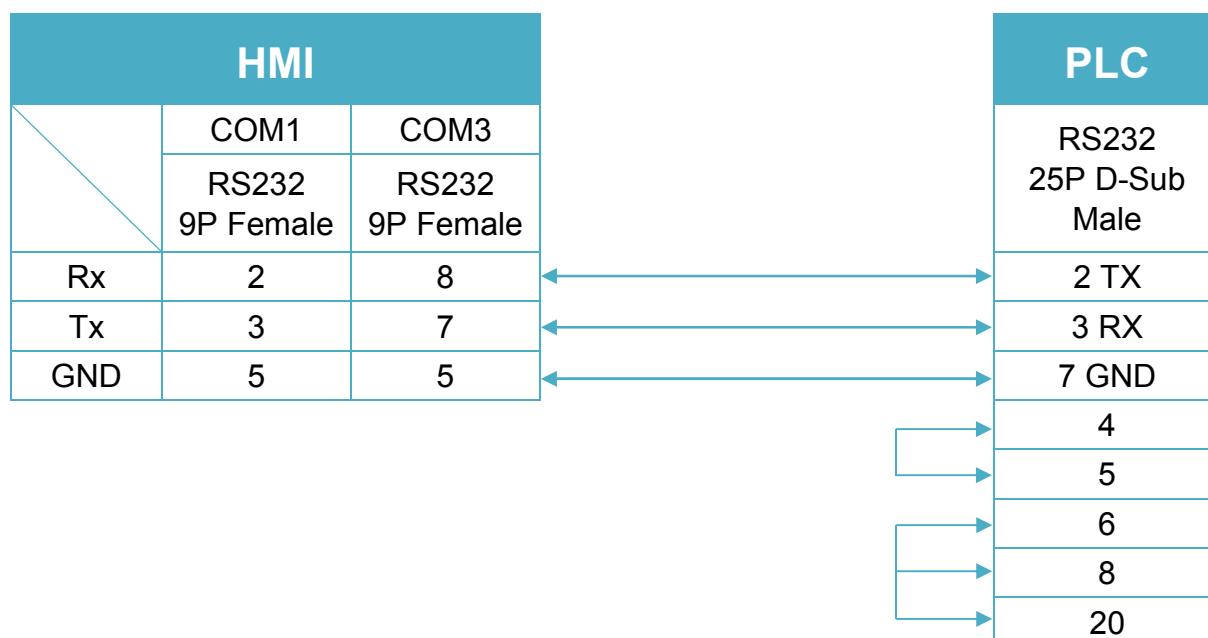


Diagram 2

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

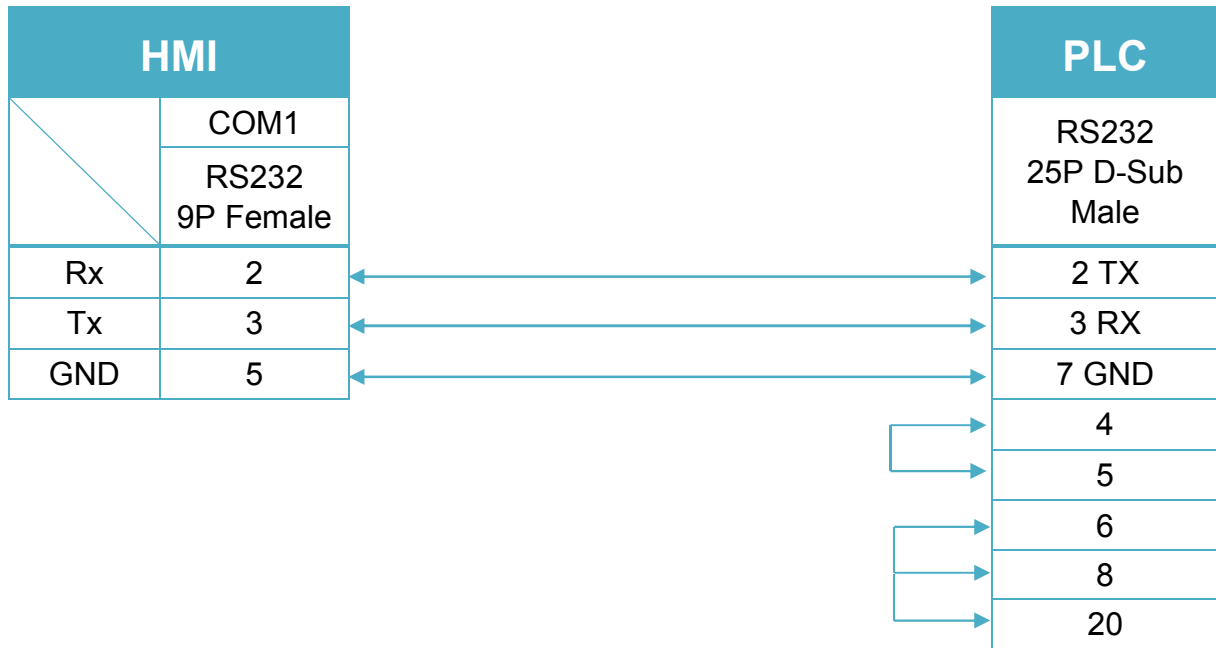
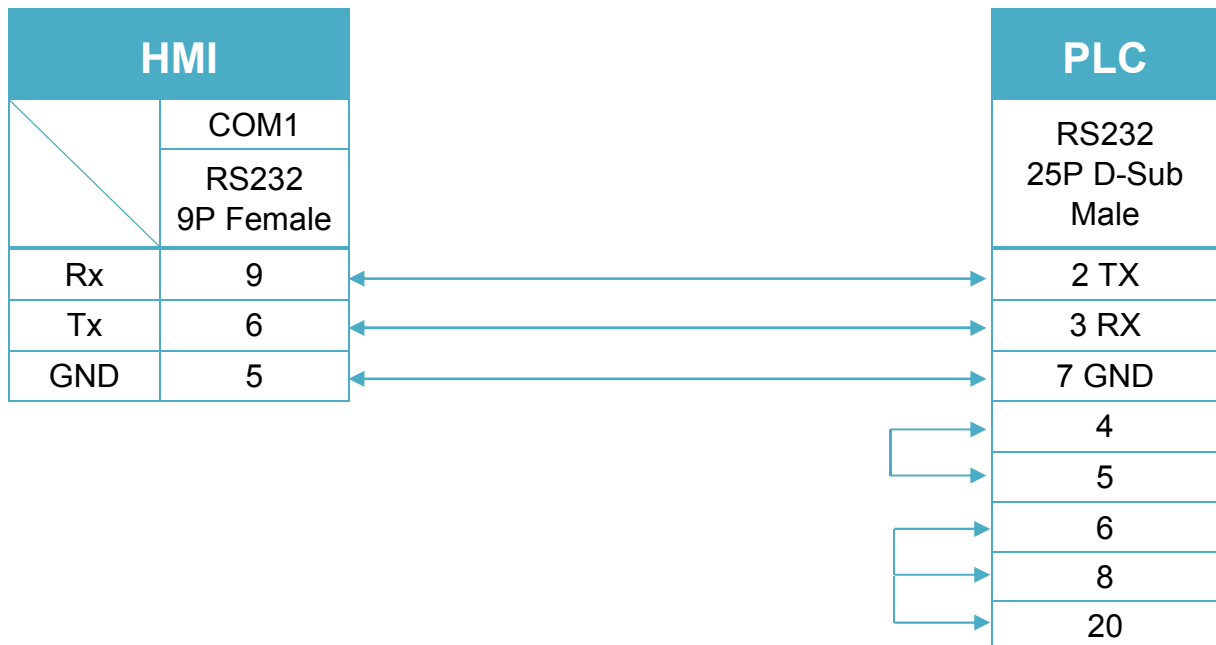
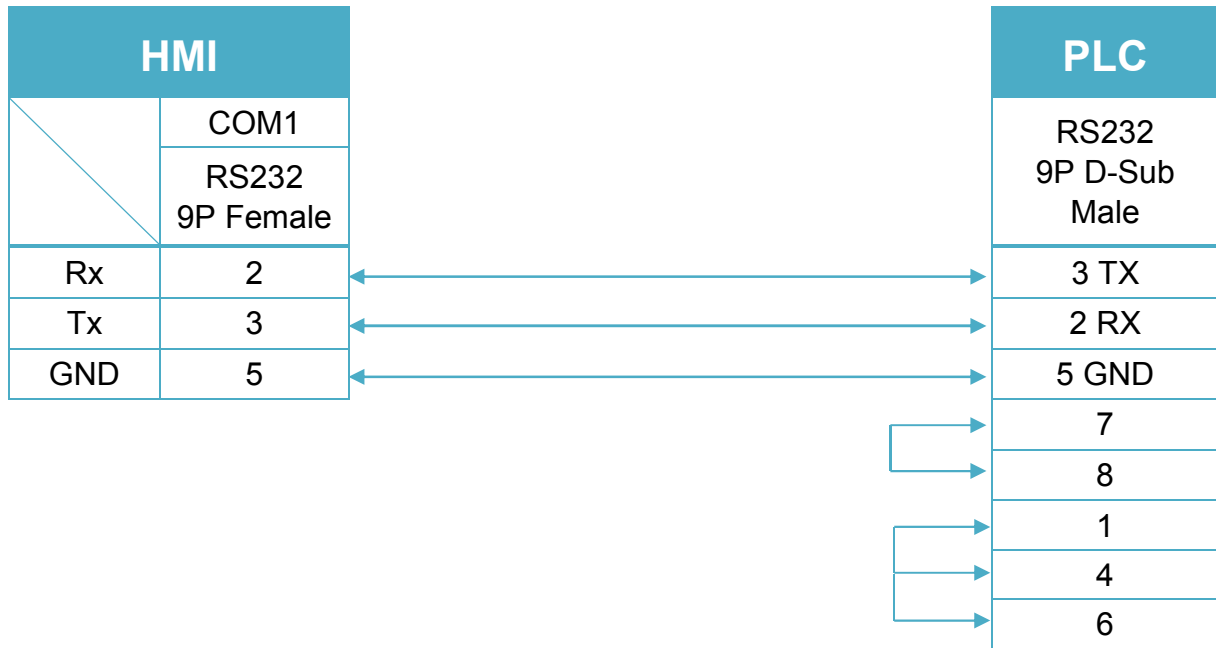


Diagram 3

MT-iE *MT8050iE / MT8053iE*

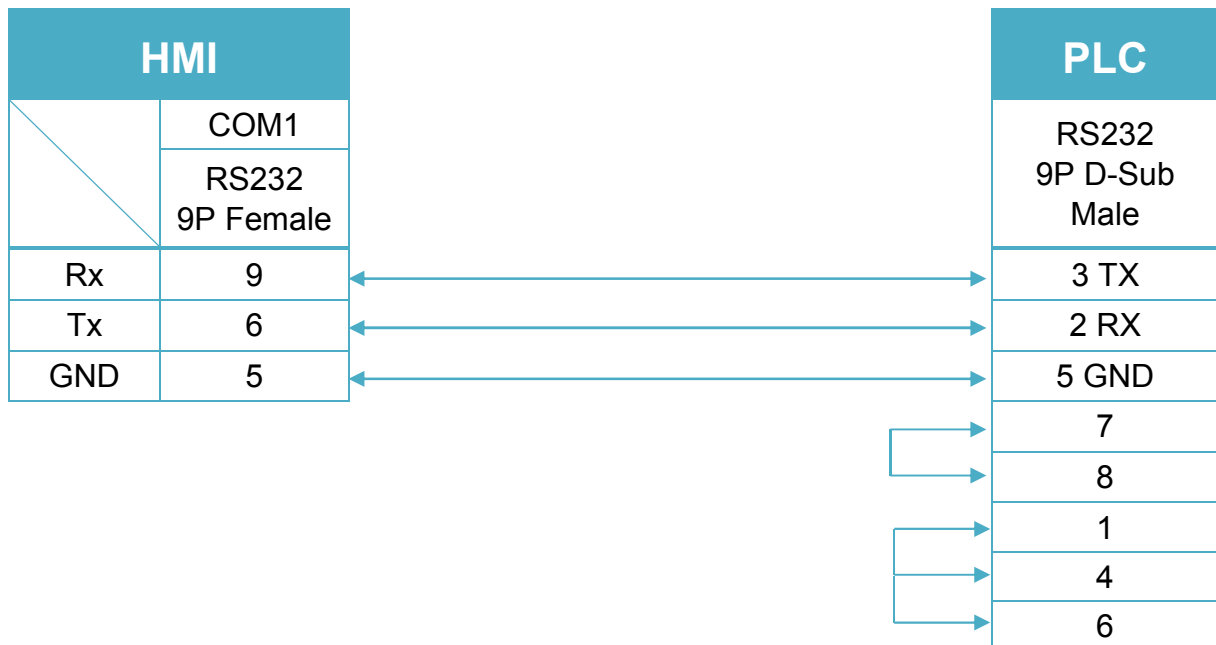
MT-iP *MT6051iP / MT8051iP / MT6071iP / MT8071iP*




Diagram 6

MT-iE *MT8050iE / MT8053iE*

MT-iP *MT6051iP / MT8051iP / MT6071iP / MT8071iP*



RS-485 4W Mini-Din (Diagram 7 ~ Diagram 10)

Diagram 7

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

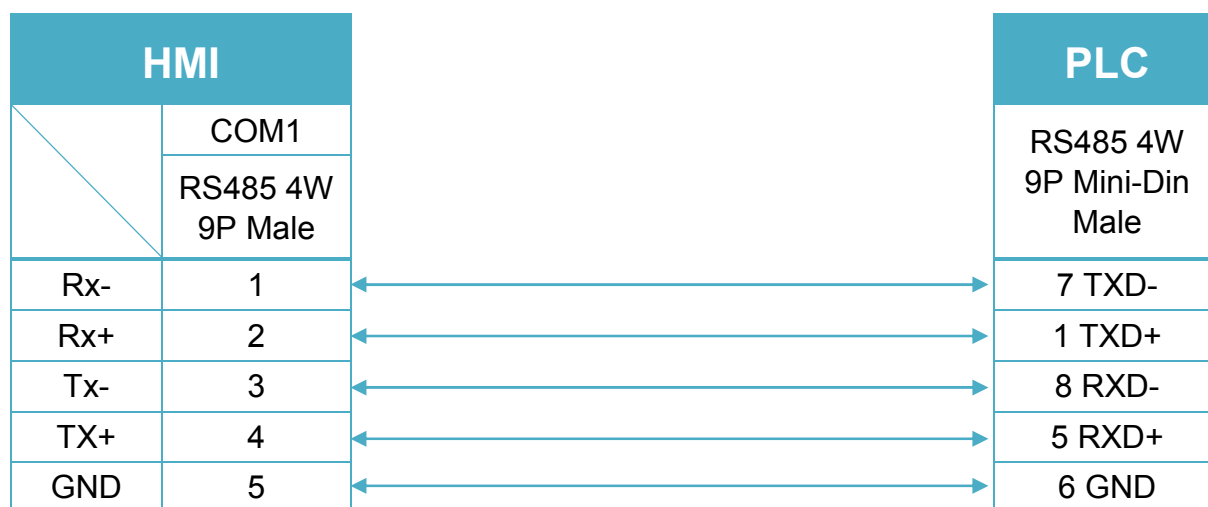


Diagram 8

cMT Series	<i>cMT-SVR / cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD</i>
mTV	<i>mTV</i>

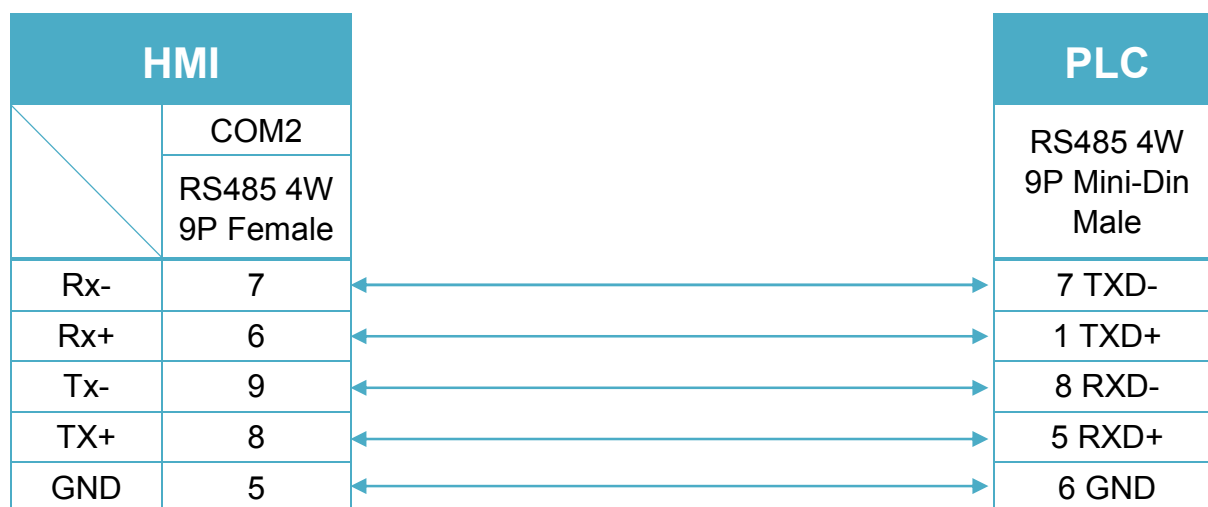


Diagram 9

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

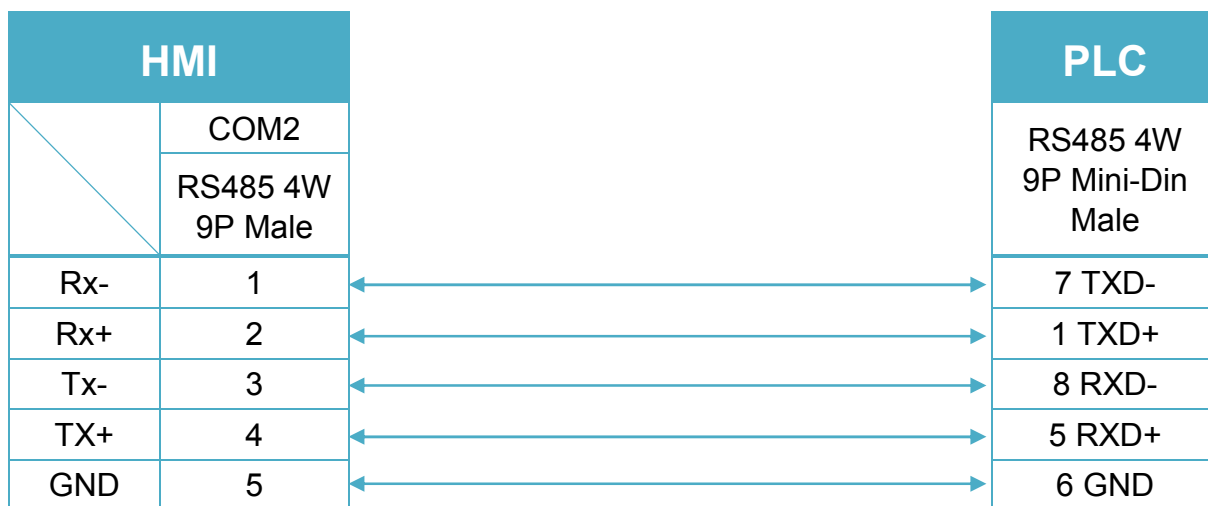


Diagram 10

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

