

MODBUS ASCII Server

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	MODBUS ASCII Server		
PLC I/F	RS232	RS232, RS485	
Baud rate	9600	9600~115200	
Data bits	8	7,8	
Parity	Even	Even, Odd, None	
Stop bits	1	1	
PLC sta.	1	1-31	HMI Modbus Station No.

Online simulator	YES	Extend address mode	NO
Broadcast command	NO		

PLC Setting:

Communication mode	Modbus ASCII protocol
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	LB	dddd	0 ~ 9998	Mapping to 0x/1x 1 ~ 9999
W	LW	dddd	0 ~ 9998	Mapping to 3x/4x 1 ~ 9999
W	RW	dddddd	0 ~ 55536	Mapping to 3x/4x 10000 ~ 65536

LB0 = 0x0001, LB1 = 0x0002, LW0 = 3x0001, LW1 = 3x0002

Modbus RTU Server doesn't support function code 06(preset single register), please use function code 16(0x10, preset multiple registers).

Modbus Server Function Code:

0x	0x01 Read coil	0x05 write single coil
0x_multi_coils	0x01 Read coil	0x0f write multiple coils
1x	0x02 Read discrete input	N/A for write operation
3x	0x04 Read input register	N/A for write operation
4x	0x03 Read holding register	0x10 write multiple registers

Wiring Diagram:

RS232 (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>

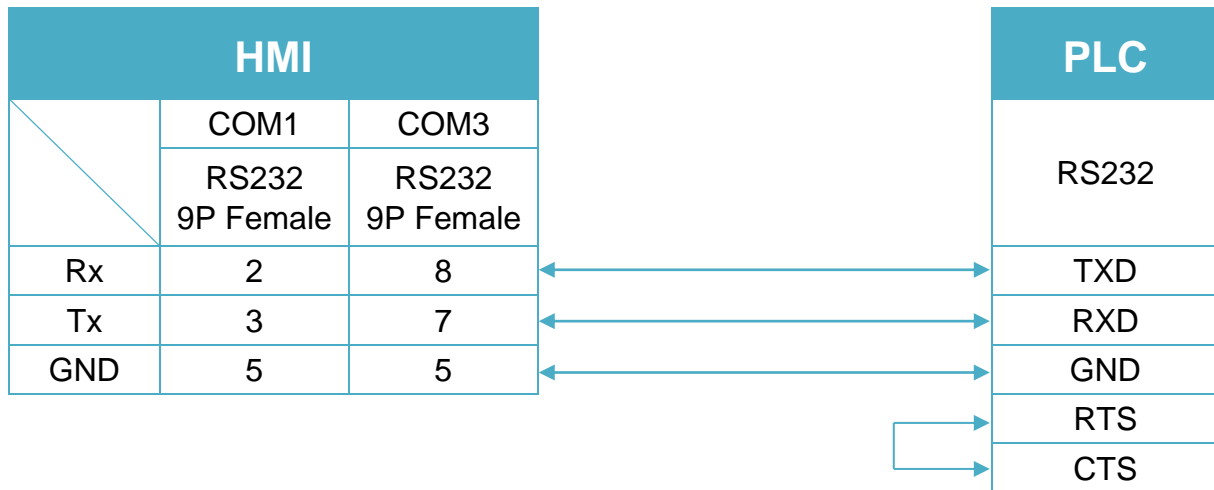


Diagram 2

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>

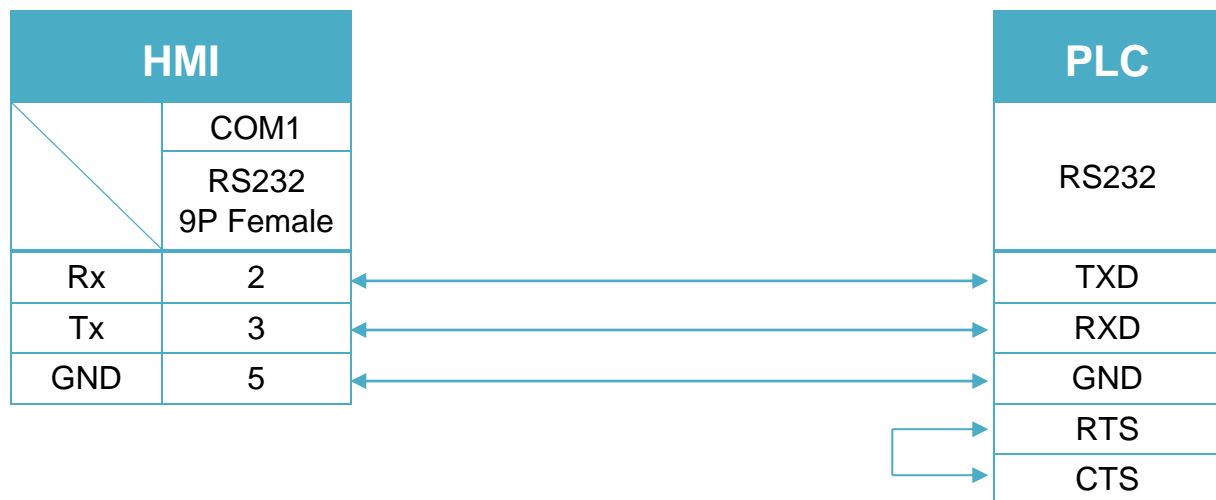
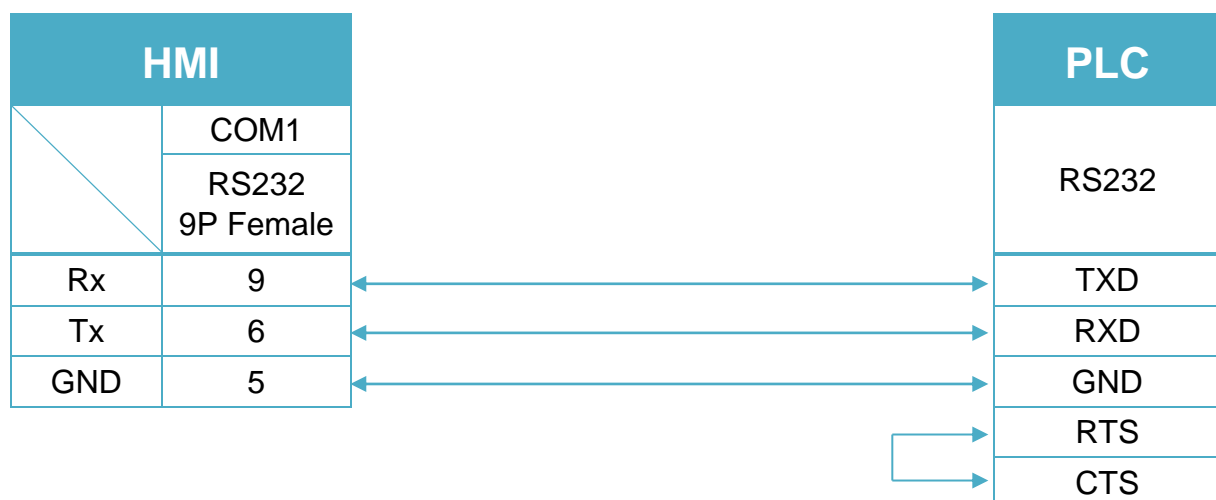


Diagram 3

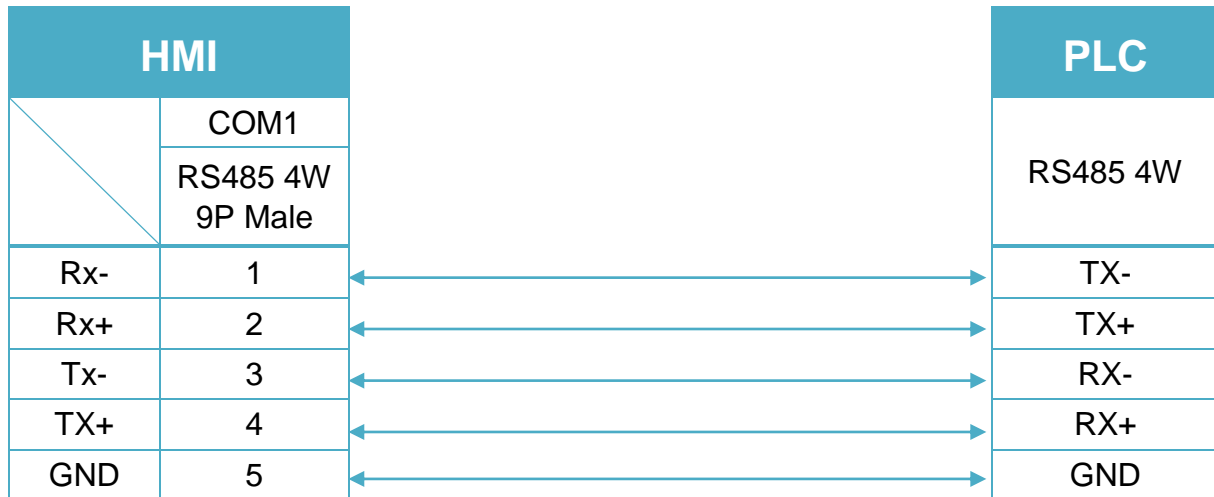
MT-iE	<i>MT8050iE / MT8053iE</i>
MT-iP	<i>MT6051iP / MT8051iP / MT6071iP / MT8071iP</i>



RS485 4W (Diagram 4 ~ Diagram 7)

Diagram 4

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 5

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

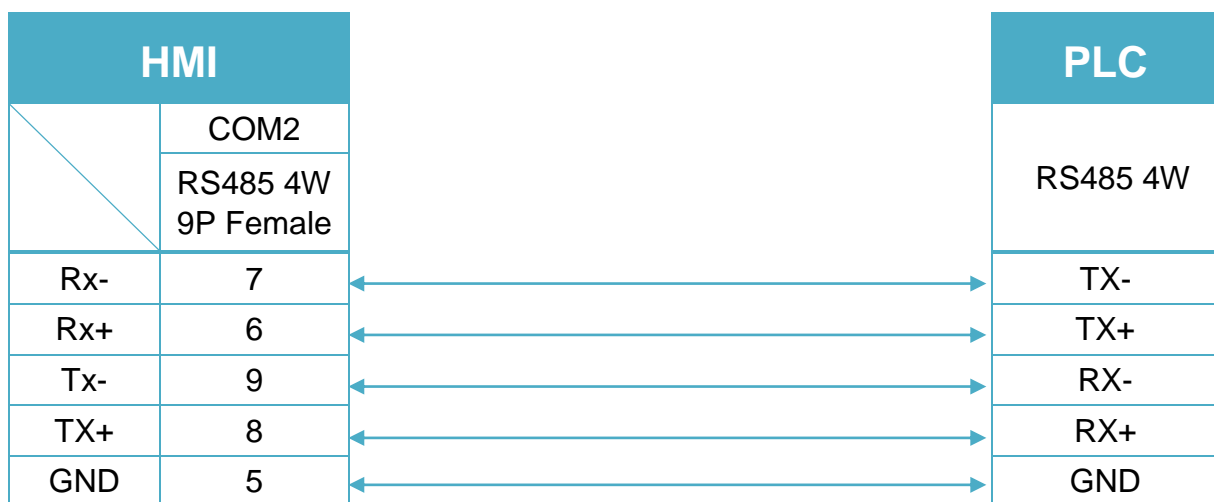


Diagram 6

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>

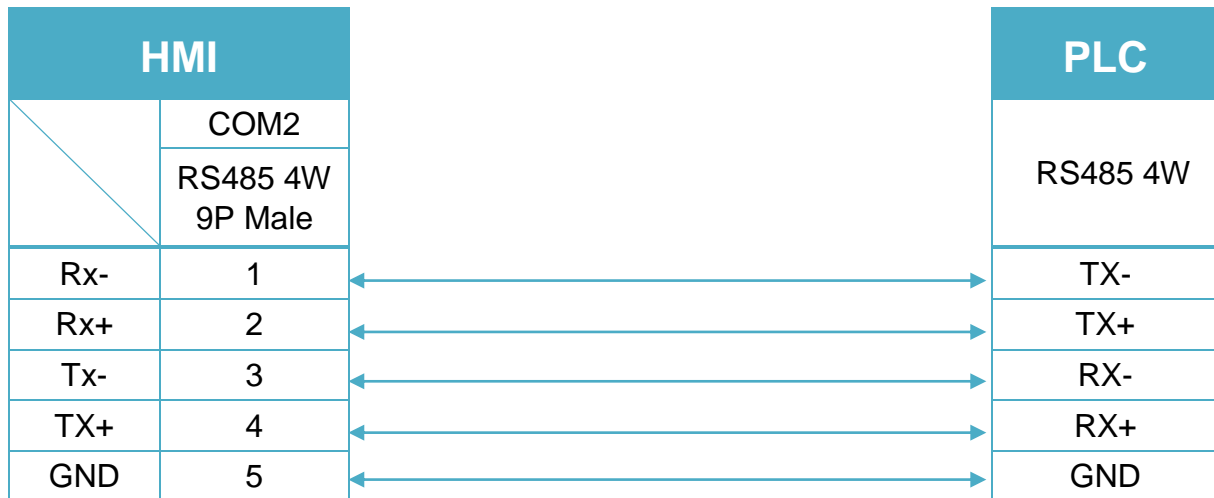
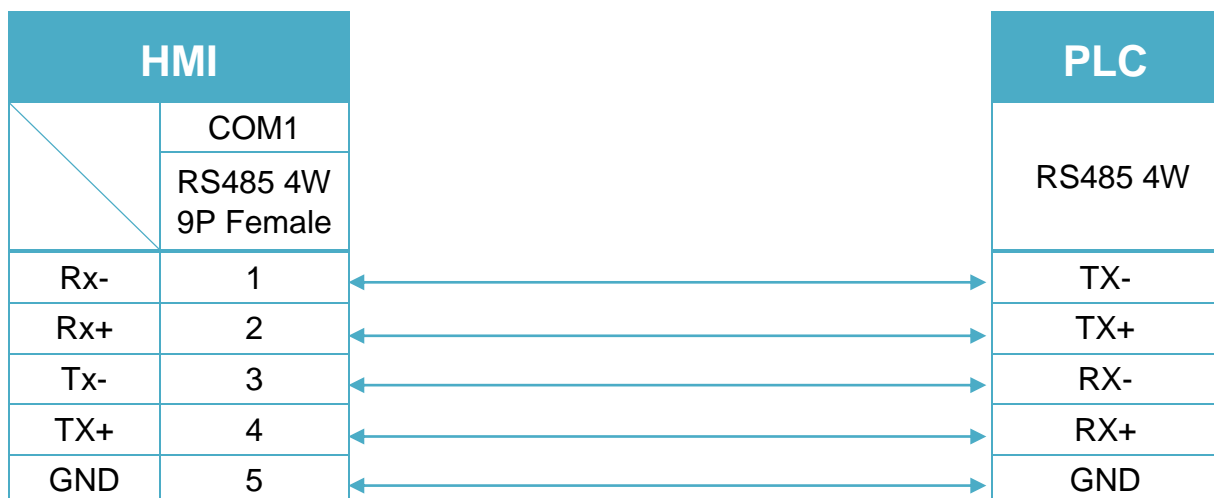


Diagram 7

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



RS485 2W (Diagram 8 ~ Diagram 13)

Diagram 8

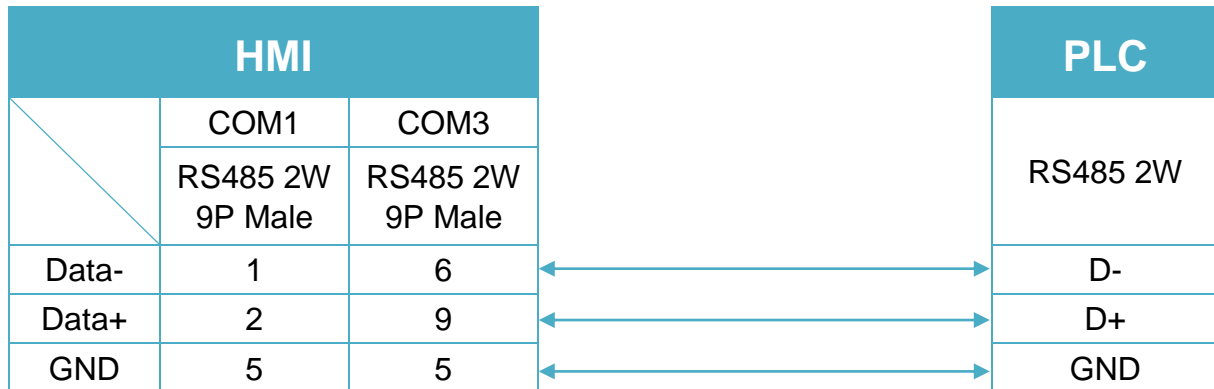
cMT Series *cMT3151*
eMT Series *eMT3070 / eMT3105 / eMT3120 / eMT3150*


Diagram 9

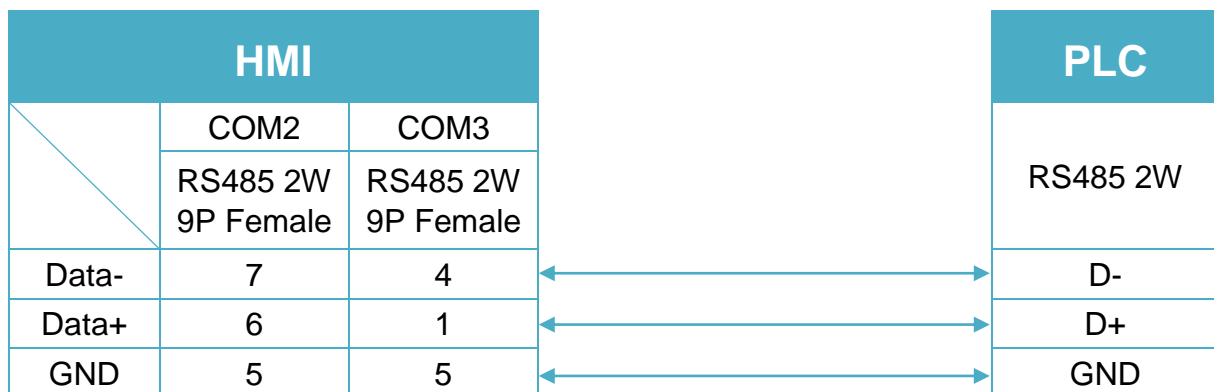
cMT Series *cMT-SVR / cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD*
mTV *mTV*


Diagram 10

MT-iE	<i>MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE</i>
MT-XE	<i>MT8121XE / MT8150XE</i>

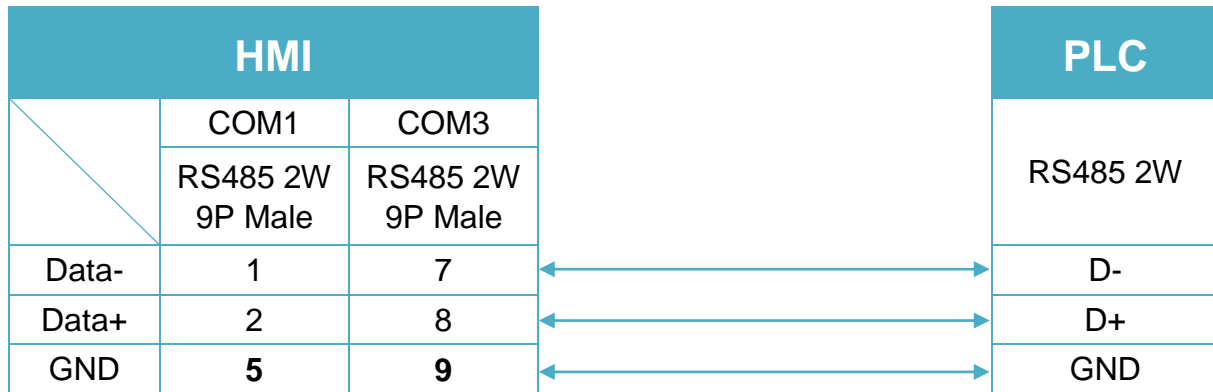


Diagram 11

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>MT6103iP / MT8102iP</i>

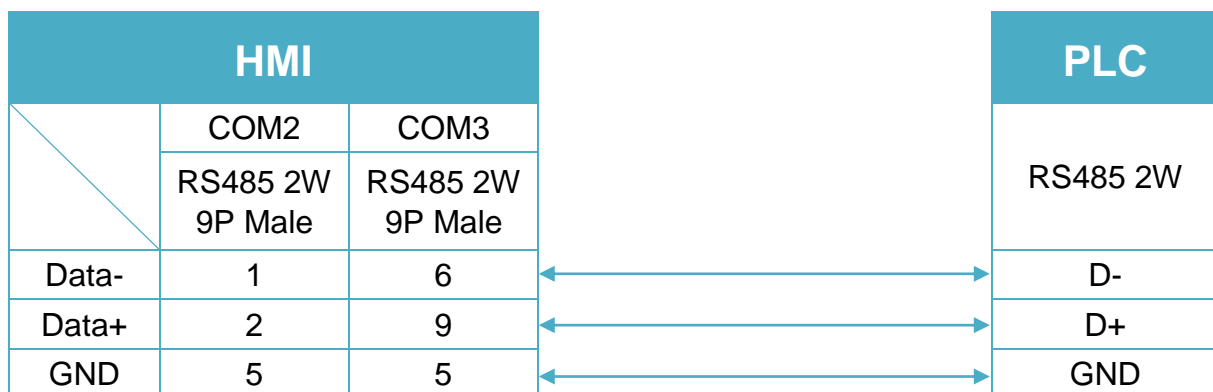


Diagram 12

MT-iE *MT8050iE / MT8053iE*

MT-iP *MT6051iP / MT8051iP*

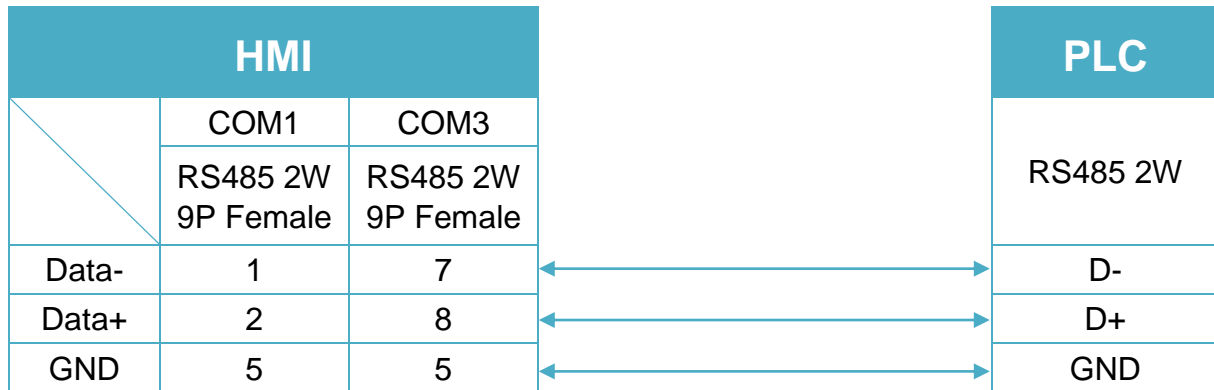
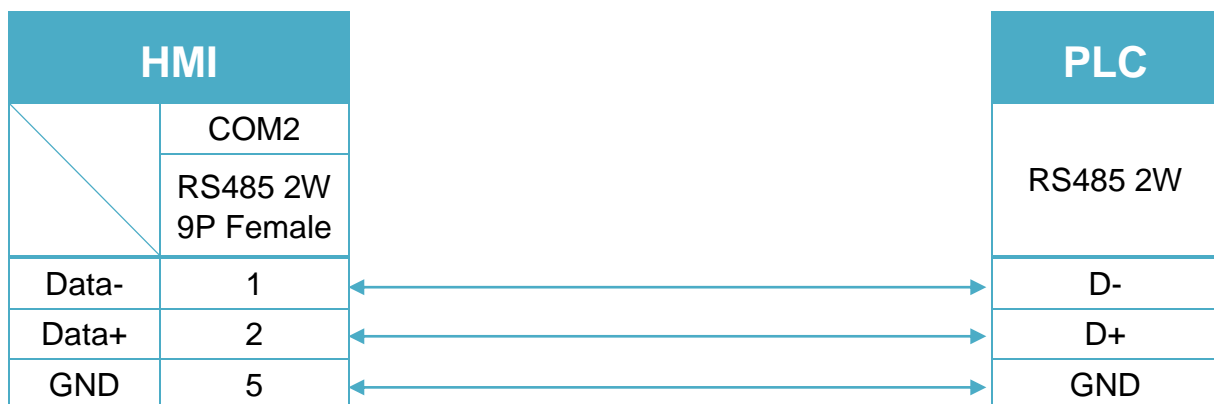


Diagram 13

MT-iP *MT6071iP / MT8071iP*



Note: Setting more than one Modbus ASCII Server in HMI Device List is of no effect.