

## ELSIST MODBUS RTU

Supported Series : SlimLine & Netsyst controllers RS232/485

Website : <http://www.elsist.it>

### HMI Setting:

| Parameters   | Recommended         | Options                 | Notes |
|--------------|---------------------|-------------------------|-------|
| PLC type     | ELSIST MODBUS ASCII |                         |       |
| PLC I/F      | RS485               | RS232/RS485             |       |
| Baud rate    | 115200              | 9600~115200             |       |
| Data bits    | 8                   | 7, 8                    |       |
| Parity       | Even                | Even, Odd, None         |       |
| Stop bits    | 1                   | 1, 2                    |       |
| PLC sta. no. | 1                   | 0 – 254 (255 Broadcast) |       |

|                     |     |           |     |
|---------------------|-----|-----------|-----|
| Online simulator    | YES | Broadcast | YES |
| Extend address mode | YES |           |     |

### PLC Setting:

|                    |                     |
|--------------------|---------------------|
| Communication mode | Modbus RTU protocol |
|--------------------|---------------------|

### Device Address:

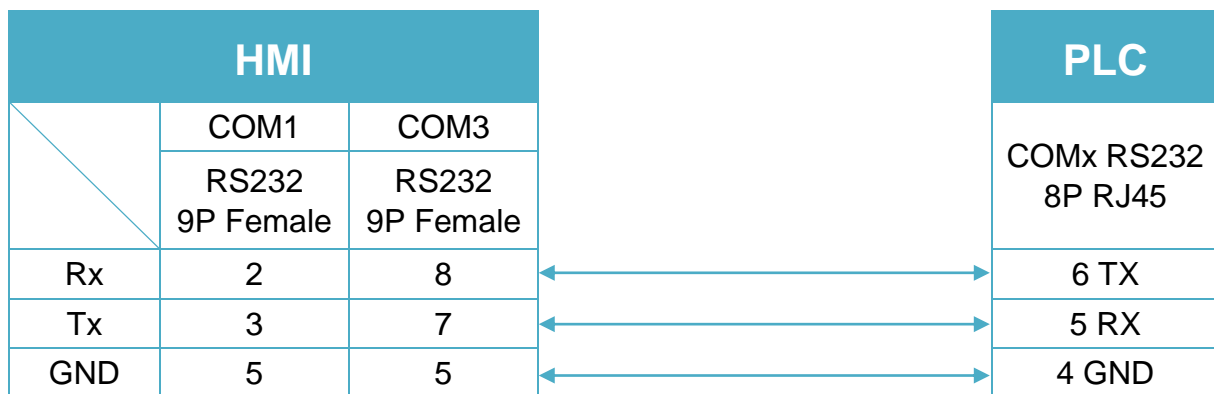
| Bit/Word | Device type | Format  | Range         | Memo  |
|----------|-------------|---------|---------------|---|
| B        | %MX         | DDDDD   | 1 ~ 65535     | 0x01 Read coil<br>0x05 write single coil                    |
| B        | %MX_Bit     | DDDDDdd | 100 ~ 6553515 | 0x03 Read holding register<br>0x10 write single register    |
| W        | %MW         | DDDDD   | 1 ~ 65535     | 0x03 Read holding register<br>0x10 write multiple registers |
| DW       | %MWD        | DDDDD   | 1 ~ 65535     | 0x03 Read holding register<br>0x10 write multiple registers |

## Wiring Diagram:

RS-232 8P RJ45 (Diagram 1 ~ Diagram 3)

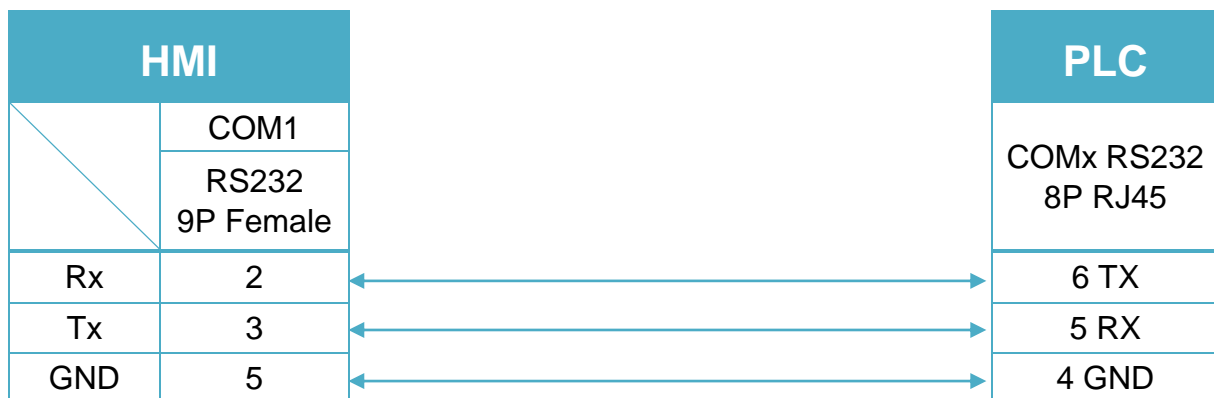
### Diagram 1

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



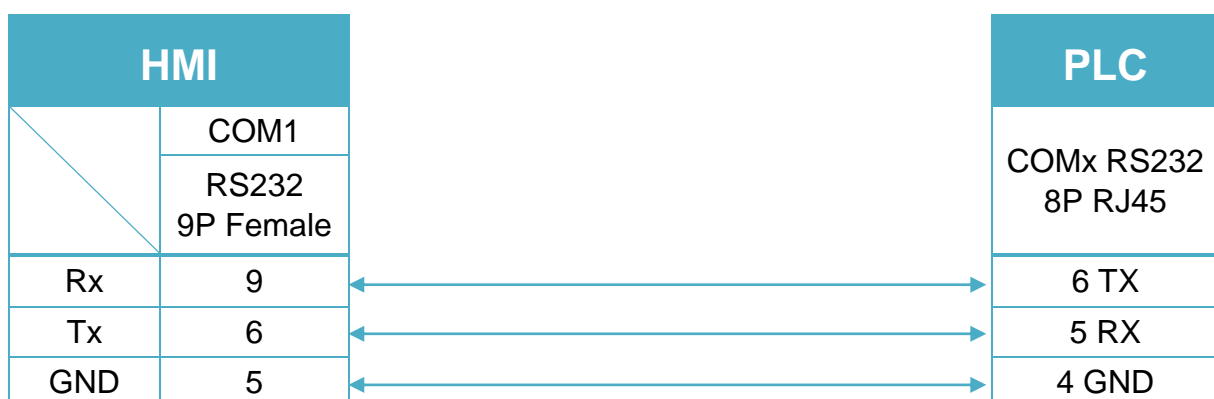
## Diagram 2

|                   |  |
|-------------------|--|
| <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 /<br/>MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE /<br/>MT8101iE / MT8102iE / MT8103iE</i></b> |
| <b>MT-XE</b>      | <b><i>MT8121XE / MT8150XE / MT8090XE</i></b>   |



## Diagram 3

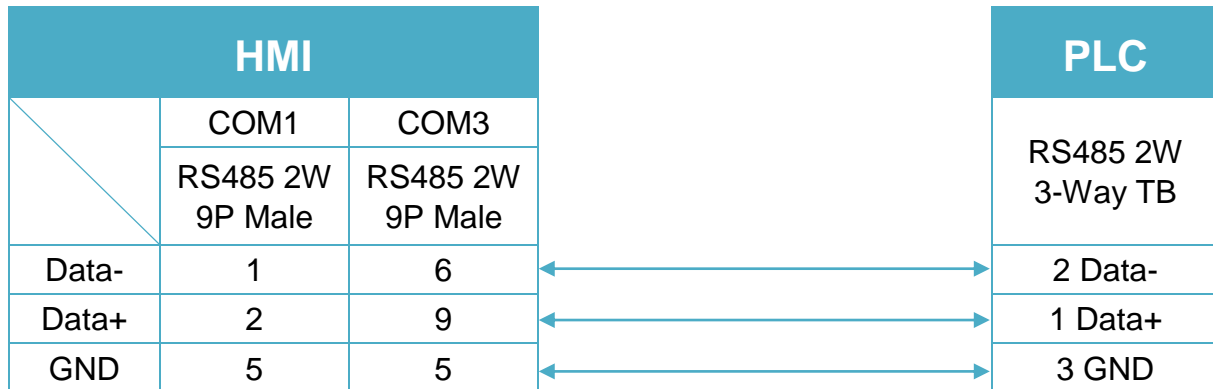
|              |   |
|--------------|---|
| <b>MT-iE</b> | <b><i>MT8050iE / MT8053iE</i></b>                       |
| <b>MT-iP</b> | <b><i>MT6051iP / MT8051iP / MT6071iP / MT8071iP</i></b> |



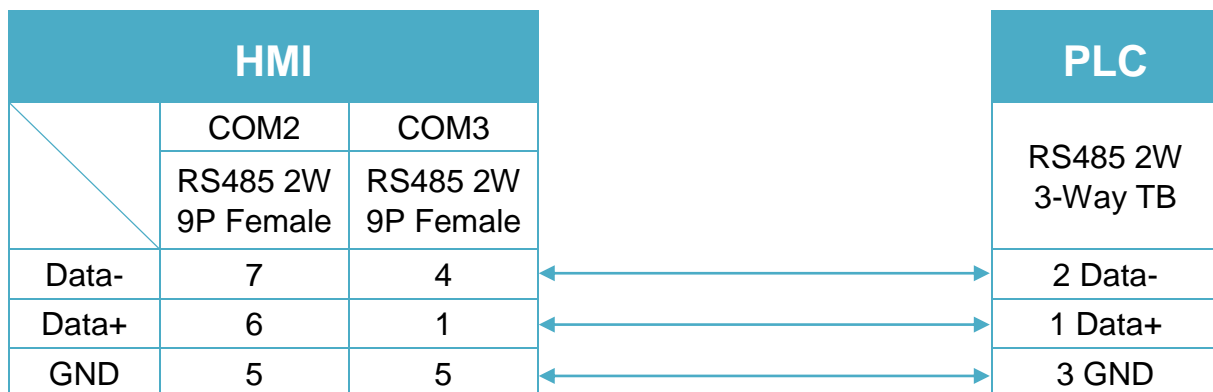
RS-485 2W 3-Way TB (Diagram 4 ~ Diagram 9)



### Diagram 4

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


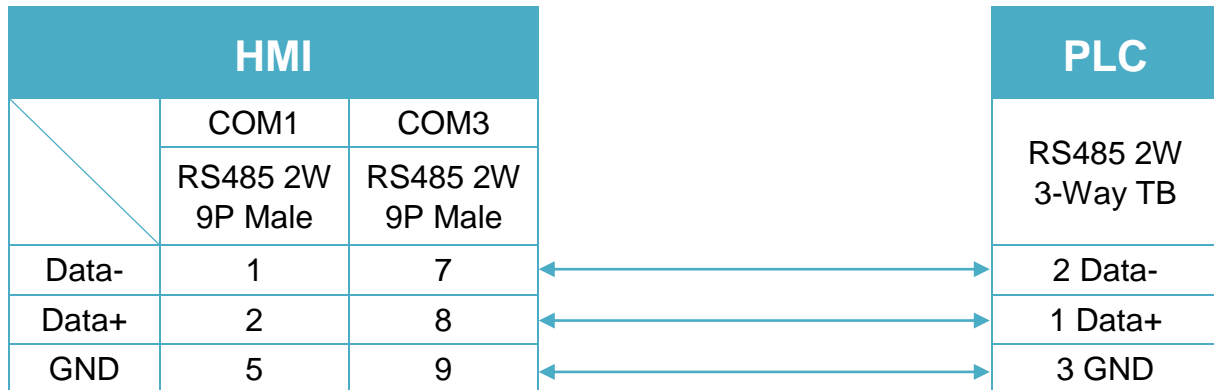
### Diagram 5

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


## Diagram 6

**MT-iE** *MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE*

**MT-XE** *MT8121XE / MT8150XE*



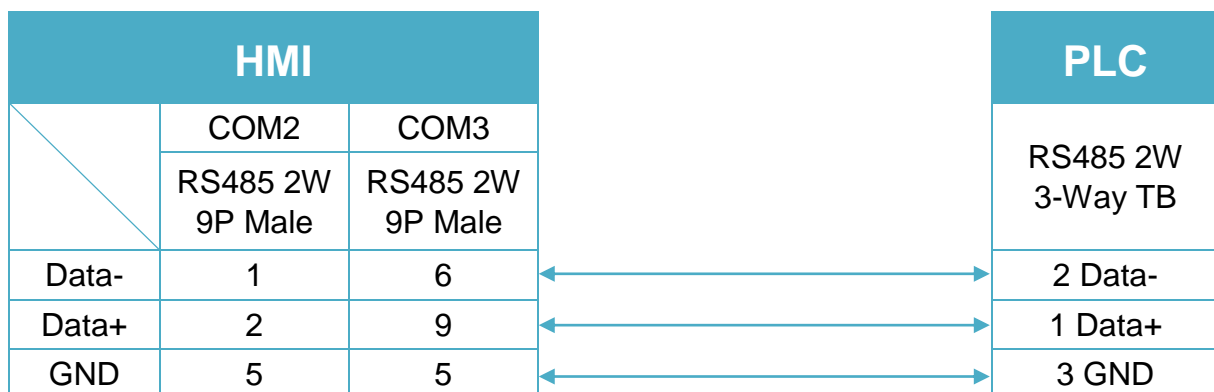
## Diagram 7

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

**MT-iE** *MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE /  
MT8101iE / MT8102iE / MT8103iE*

**MT-XE** *MT8090XE / MT8092XE*

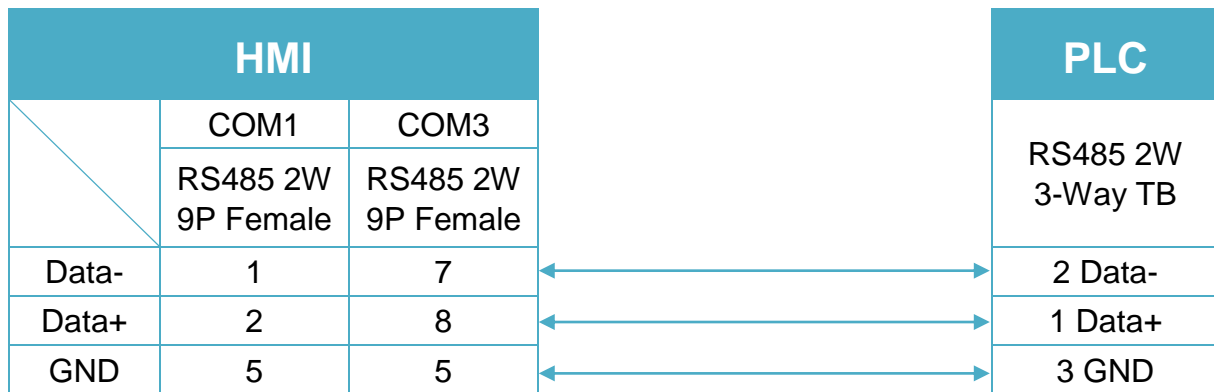
**MT-iP** *MT6103iP / MT8102iP*



## Diagram 8

**MT-iE** *MT8050iE / MT8053iE*

**MT-iP** *MT6051iP / MT8051iP*



## Diagram 9

**MT-iP** *MT6071iP / MT8071iP*

