

# Schneider UniTelway

Supported Series: Modicon TSX Micro&Nano&Neza series PLC. Website: <u>http://www.modicon.com</u>

# **HMI Setting:**

Parameters	Recommended	Options	Notes
PLC type	Schneider UniTelwa	ıy	
PLC I/F	RS485 2W	RS232/RS485	
Baud rate	19200	9600~115200	
Data bits	8	7,8	Must set to 8 for this protocol
Parity	Odd	Even, Odd, None	
Stop bits	1	1, 2	
HMI sta. no.	5	1-8	
PLC sta. no.	0	0-3	

Online simulator	YES	Extend address mode	YES
Broadcast command	NO		

# **PLC Setting:**

Communication mode	UniTelWay protocol, set PLC as master

# **Device Address:**

Bit/Word	Device type	Format	Range	Memo
В	S	DDDDD	0 ~ 32767	Internal relay
В	М	DDDDD	0 ~ 32767	Auxiliary relay
В	MW.B	DDDDDdd	0 ~ 3276715	Data register bit
W	MW	DDDDD	0 ~ 32767	Data register



## How to Import Tags:

#### Export tag(\*.XSY):

Unity Pro XL -> Variables & FB instances -> Export (\*.XSY)



### Export tag(\*.SCY):

PL7 PRO -> Variables, create data, File -> Export SCY file.

Note: Symbol must have data to be exported.





## Import tag:

1. EasyBuilder Pro -> System Parameter Settings -> Import Tags

System Parameter Settings							
Cellular Data Network Time Sync./DST e-Mail							
Device	Model	General	System	n Remote	Security	Extended Mer	nory
Device list:	Device list: What's my IP?						
		Name	Location	Device Type	Interface	I/F Protocol	Stat
▲ Local H	М	Local HMI	Local	cMT3152X (1024 x 768	) -	-	0
Loc	al Device 1	Schneider UniTelway	Local	Schneider UniTelway	COM 1 (19200,	0,8,1) RS485 2W	0
<							>
< New	v HMI	New Devic	ce/Server	Delete		Settings	>

2. Select the file type to import.

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3. Select the tag to be imported into the project.

Address tag name	<ul> <li>Address mode</li> </ul>	address	Comment
M0m0	Bit	M-0	1234567
✓ M101m10	Bit	M-10	0000000000
M150150mmm150	Bit	M-150	m150
✓ M1888818m	Bit	M-18	
✓ M1m1m1	Bit	M-1	111111m
M265mmm	Bit	M-265	
M2m2mmm2	Bit	M-2	22222
✓ M4m4m4m4	Bit	M-4	
M6m6	Bit	M-6	666666
✓ M7777m7	Bit	M-7	77
✓ Mmm266	Bit	M-266	m266
Mw000mw	Word	MW-0	
<ul> <li>Mw14mw14</li> </ul>	Word	MW-14	mwmwmwmwmwr
Mw1mw1	Word	MW-1	
✓ Mw290mw290	Word	MW-290	290
✓ Mw291	Word	MW-291	291
✓ Mw303	Word	MW-303	mw303
✓ S0s0s0s0s	Bit	S-0	
✓ \$107	Bit	S-107	
✓ \$108	Bit	S-108	108
✓ \$109	Bit	S-109	
C110	D:+	C 110	-110



# Wiring Diagram:

RS-485 2W (TSX37-XX/TSX07-XX CPU : 9P D-Sub to 9P D-Sub)

The serial port pin assignments may vary between HMI models, please click the following link for more information.

The following is the view from the soldering point of a connector.



НМІ		PLC
<u>Link</u>		RS485 2W 8P Mini-DIN Male
Data-	▲	2
Data+	<b> </b> ←───→	1
GND	<>	7