

NET485 – Modbus Card Setup

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Step 1 : Remove JP4 from the boar







Step 2 : Computer >> Hyperterminal >> COM Port >> NET485

==> Computer's serial port connect to NET485 directly (*not RS485*)

==> Hyperterminal >> Configuration >> 9600 : 8 : None : 1 : None

■ Net 485 - 超級終端機 檔案(F) 編輯(E) 檢視(V) 呼叫(C) 轉送(T) 說明(H) □ ☞ 🔏 🕮 🗗 🔂 🖆	
<pre> <<<<</pre>	>>>>>
連線 00:00:33 自動偵測 9600 8-N-1 SCROLL CAPS NUM	擷 列印

Select $\Rightarrow 1$

- Address = 1
- RTU mode
- Baud Rate = **9600**
- RS485
- Half Duplex
- Normal Mode
- Save and Reboot

Step 3 : Replug on JP4





Step 4 : Computer >> USB-to-RS485 Connector >> NET485



NET485-TX-	connect Converter-TX-

NET485-TX+ connect Converter-TX+



Step 5 : Start application : Modbus Poll

==> Connection->Connect...

玧길 Modbus Poll - Mbpoll1										
	File	Edit	Con	nection) Setup	Functio	ns Display	View V	Vindow He	lp
	D	🖻 🖬		Conne	ect	F3	06 15 1	16 22 23	101 🦁 🕨	8
ſ	ا 🛒	Mbpo		Discor	nnect	F4				
Т	Tx :	= 0: E		Auto (Connect	•	00ms			
	No	Conn		Quick	Connect	F5				
				00000		00020	00	0040	00060	00080
	0		0 = (021840	20 =	020533	40 = 00	1110	60 = 000960	80 = 000000
	1		1 = (021280	21 =	012340	41 = 00	1107	61 = 004126	81 = 000000
	2		2 = (008224	22 =	000000	42 = 00	0599	62 = 000600	82 = 000000
	3		3 = (008224	23 =	000000	43 = 00	0000	63 = 000000	83 = 000000
	4		4 = (008224	24 =	000000	44 = 000	0000	64 = 000000	84 = 000000
	5		5 = (008224	25 =	000002	45 = 000	0000	65 = 000000	85 = 000000
L	6		6 = (008224	26 =	000000	46 = 000	0000	66 = 000000	86 = 000000
L	7		7 = (019823	27 =	000100	47 = 00	0000	67 = 000000	87 = 000000
	8		8 = (025701	28 =	000235	48 = 000	0000	68 = 000000	88 = 000000
	9		9 = (027680	29 =	000310	49 = 000	0002	69 = 000120	89 = 000000
	10	1	LO = (012592	30 =	000000	50 = 00	1200	70 = 000002	90 = 000001

- ==>9600 / N / 8 / 1
- ==> Mode RTU

Connection Setup	×
Connection Serial Port	ОК
Serial Settings	Cancel
Prolific USB-to-Serial Comm Port (COM13) 👻	Mode
9600 Baud 🔻	RTU O ASCII
8 Data bits 👻	Response Timeout 1000 [ms]
None Parity 👻	Delay Between Polls
1 Stop Bit 💌 Advanced	1000 [ms]
Remote ServerIP AddressPortConner127.0.0.15023000	ct Timeout [ms]



Display ==> Signed+PLC Address(Base 1)

7	۱ Mo	odbus Poll - Mbpo	111						
	File	Edit Connection	Setup Functio	ns	Disp	olay Viev	w Window He	elp	_
📄 🗅 🚅 🖶 🎒 🗙 🛅 🗒 🚊 💷 05				\checkmark	Signed		Alt+Shift+S		
r	DOC N	Alexa ell'1				Unsigne	d	Alt+Shift+U	ľ
	Es n Tra a	. 22: E 0: ID -	- 1. 5 - 02. 60 -	10		Hex		Alt+Shift+H	H
	X -	· 55. Eff – 0. ID ·	- I. F - UJ. SR -	· Tu		Binary		Alt+Shift+B	
		4.0000	4-0020			Long			ŀ
		4x0000	4x0020			Long Inv	erse		
	1	40001 = 021840	40021 = 020533	40		Float			
	2	40002 = 021280	40022 = 012340	40		Float Inv	erse		
	3	40003 = 008224	40023 = 000000	40		Double			
	4	40004 = 008224	40024 = 000000	40		Double I	Inverse		
	5	40005 = 008224	40025 = 000000	40	\checkmark	PLC Add	resses (Base 1)		
	6	40006 = 008224	40026 = 000002	40		Protocol	Addresses (Base	0)	
	7	40007 = 008224	40027 = 000000	40					
	8	40008 = 019823	40028 = 000100	40		Error Co	unters	F11	
	9	40009 = 025701	40029 = 000235	40		Commu	nication		
	10	40010 = 027680	40030 = 000310	40	050 =	= 000002	40070 = 000120	0 40090 = 000000	
	11	40011 = 012592	40031 = 000000	40	051 =	= 001200	40071 = 000002	2 40091 = 000001	



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Setup-Read/Write Definition

- Function (03: Read 06: Write)
- Address
- Quantity
- View Rows

ĺ	Read/Write	Definition	×
	Slave ID:	1	ОК
	Function:	03 Read Holding Registers (4x) 💌	Cancel
	Address:	1	
	Quantity:	100	Арріу
	Scan Rate:	1000 ms	
ľ	🔽 Read/W	rite Enabled	Read/Write Once
	View		
	- Rows -	20	Alias Columns
		Addre	ess in Cell
	Display:	Gigned 🗾 🔽 PLC A	Addresses (Base 1)

As below result

₿¦ M	odbus Poll - Mbpo	111				
File	Edit Connection	Setup Functio	ons Display Vie	w Window Hel	p	
D	🖻 🖬 🚭 🗙 (1 <u>5</u> 6 1	05 06 15 16 2	2 23 101 🤋 🕅	?	
	Mbpoll1					
Т×	= 108: Err = 0: ID) = 1: F = 03: SR	= 1000ms			
	4x0000	4x0020	4x0040	4x0060	4x0080	<u>_</u>
1	40001 = 021840	40021 = 020533	40041 = 001115	40061 = 000960	40081 = 000000	
2	40002 = 021280	40022 = 012340	40042 = 001105	40062 = 004126	40082 = 000000	
3	40003 = 008224	40023 = 000000	40043 = 000600	40063 = 000600	40083 = 000000	E
4	40004 = 008224	40024 = 000000	40044 = 000000	40064 = 000000	40084 = 000000	
5	40005 = 008224	40025 = 000000	40045 = 000000	40065 = 000000	40085 = 000000	
6	40006 = 008224	40026 = 000002	40046 = 000000	40066 = 000000	40086 = 000000	
7	40007 = 008224	40027 = 000000	40047 = 000000	40067 = 000000	40087 = 000000	
8	40008 = 019823	40028 = 000100	40048 = 000000	40068 = 000000	40088 = 000000	
9	40009 = 025701	40029 = 000235	40049 = 000000	40069 = 000000	40089 = 000000	
10	40010 = 027680	40030 = 000310	40050 = 000002	40070 = 000120	40090 = 000000	
11	40011 = 012592	40031 = 000000	40051 = 001202	40071 = 000002	40091 = 000001	v



ONL33 >> 3 phase in and out configuration

RCOM1 - PuTTY	
<<<<< Set Modbus Parameters >>>>>	
<<<<<>>>>>>	
1. Device Address. (2)	
2. Modbus Communication Mode. (RTU)	
3. Modbus Baud Rate. (9600) 4. Modbus Connection (PS485)	
5. Half/Full Duplex (Full Duplex, Half Duplex). (HalfDuplex)	
6. Communication Level (Normal Mode, Invert Mode). (NormalMode)	
0. Return to Main Menu.	
Select =>	-
B COM1 - PuTTY	-D×

		- H.
	-	
<<<< >Set UPS Properties >>>>>		
<<<<<		
 Communication Type of UPS. (MegaTec Three Phase(3 in - 3 out)) 		
2. UPS Device Name. ()		
 Last Battery Replacement Date. (yyyy/mm/dd) () 		
4. UPS Model. ()		
5. UPS Voltage Rating. (1100)		
0. Return to Main Menu.		
Select =>	· · · · ·	1



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 ○ RS-232 ○ Synso SNMP ○ Megatec SNMP ○ RS-232+RS-485 ○ Megatec SNMP+RS-485 ○ Megatec SNMP+RS-485 ○ Synso SNMP+RS-485 ○ 關閉全部通信 	-	n na sea sea sea sea sea sea sea sea sea se	
		 RS-232 Synso SNMP Megatec SNMP RS-485 Modbus ID: 2 RS-232+RS-485 Megatec SNMP+RS-485 	RS-485: 鮑率: ○2400 ○9600 ○19200 停止位元: ○1 ○2 ○ Synso SNMP+RS-485 ○ 關閉全部通信