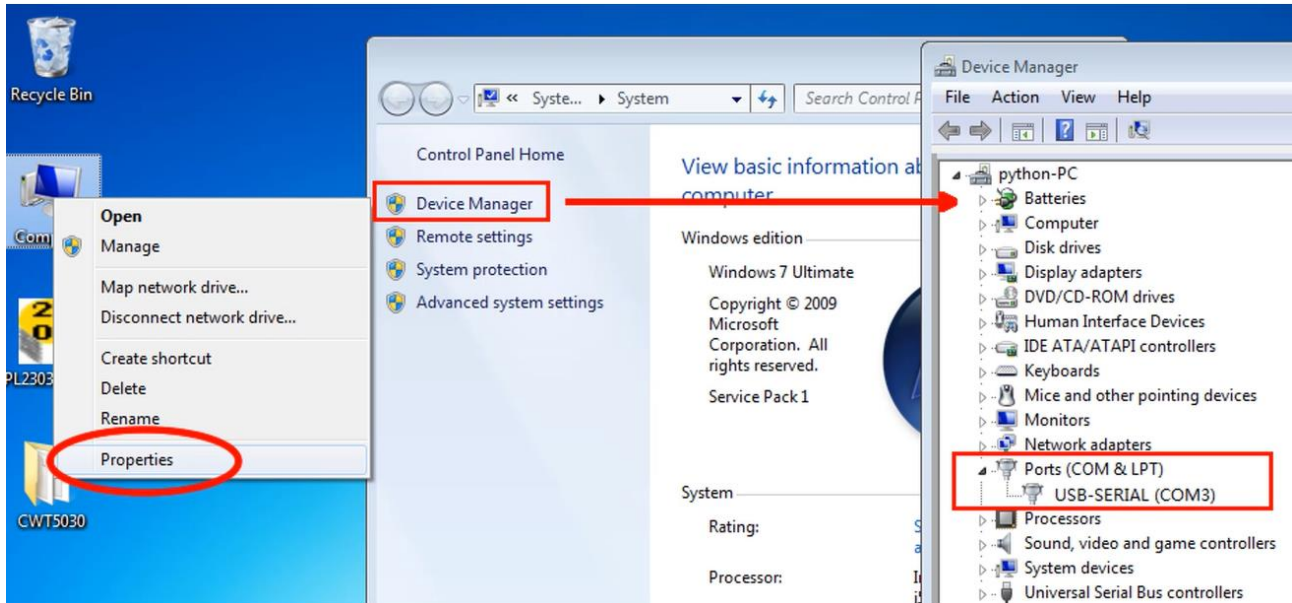
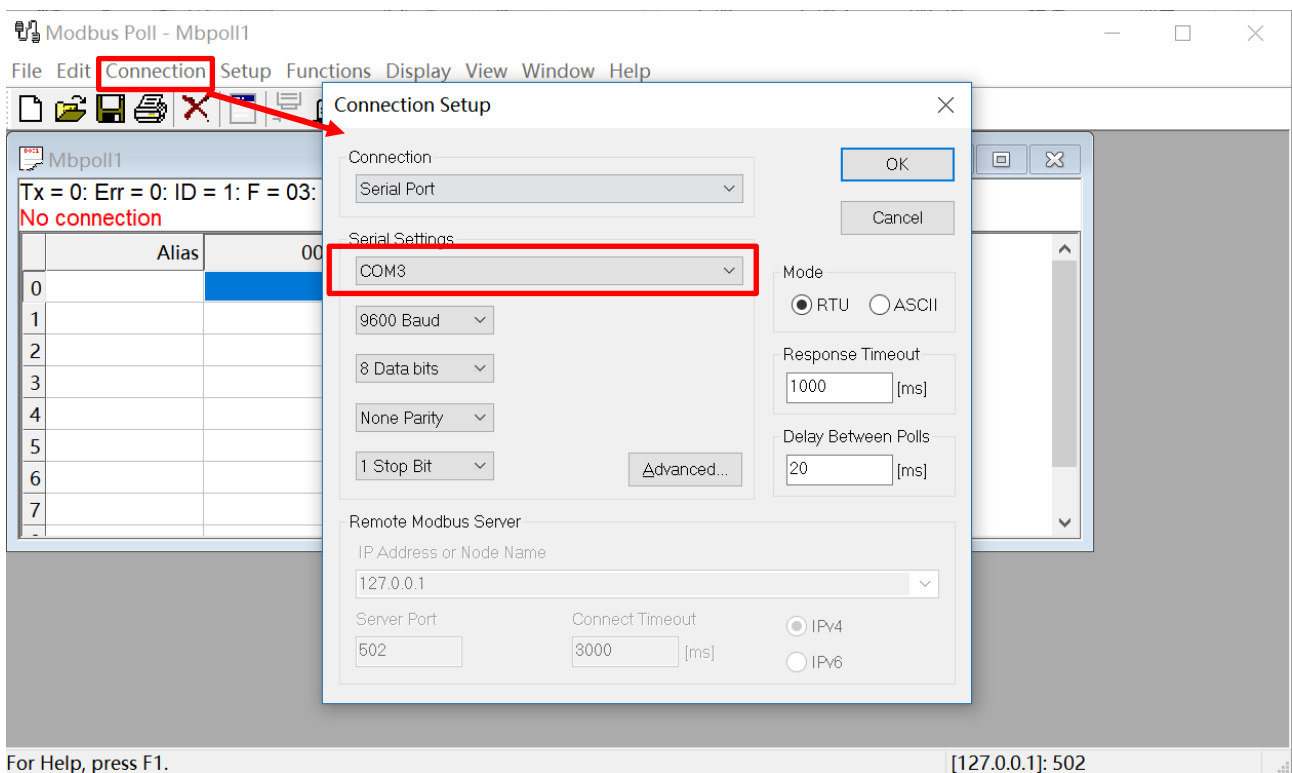


Test Modbus RTU by Modbus Poll

Connect RS485 to PC by USB to RS485 converter and check com port

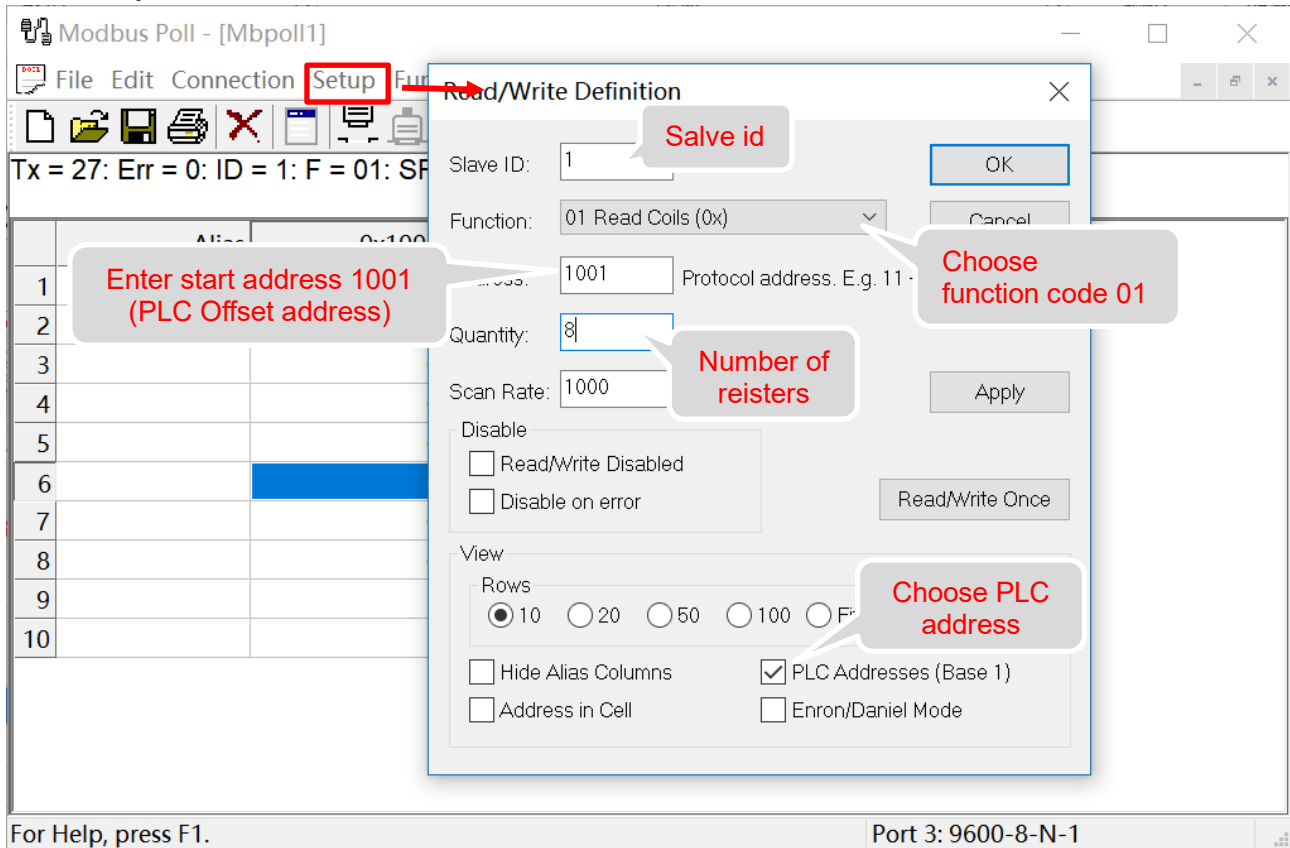


Run Modbus poll and connect the com port



1. Read digital input

For example, read 8 channel Di, slave id=1



Modbus Poll - [Mbpoll1]

File Edit Connection **Setup** Functions Display View Window Help

Tx = 27: Err = 0: ID = 1: F = 01: SR = 1000ms

Alias 0x1000

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Read/Write Definition

Slave ID: 1

Function: 01 Read Coils (0x)

Start Address: 1001 Protocol address. E.g. 11

Quantity: 8

Scan Rate: 1000

Disable

☐ Read/Write Disabled

☐ Disable on error

Read/Write Once

View

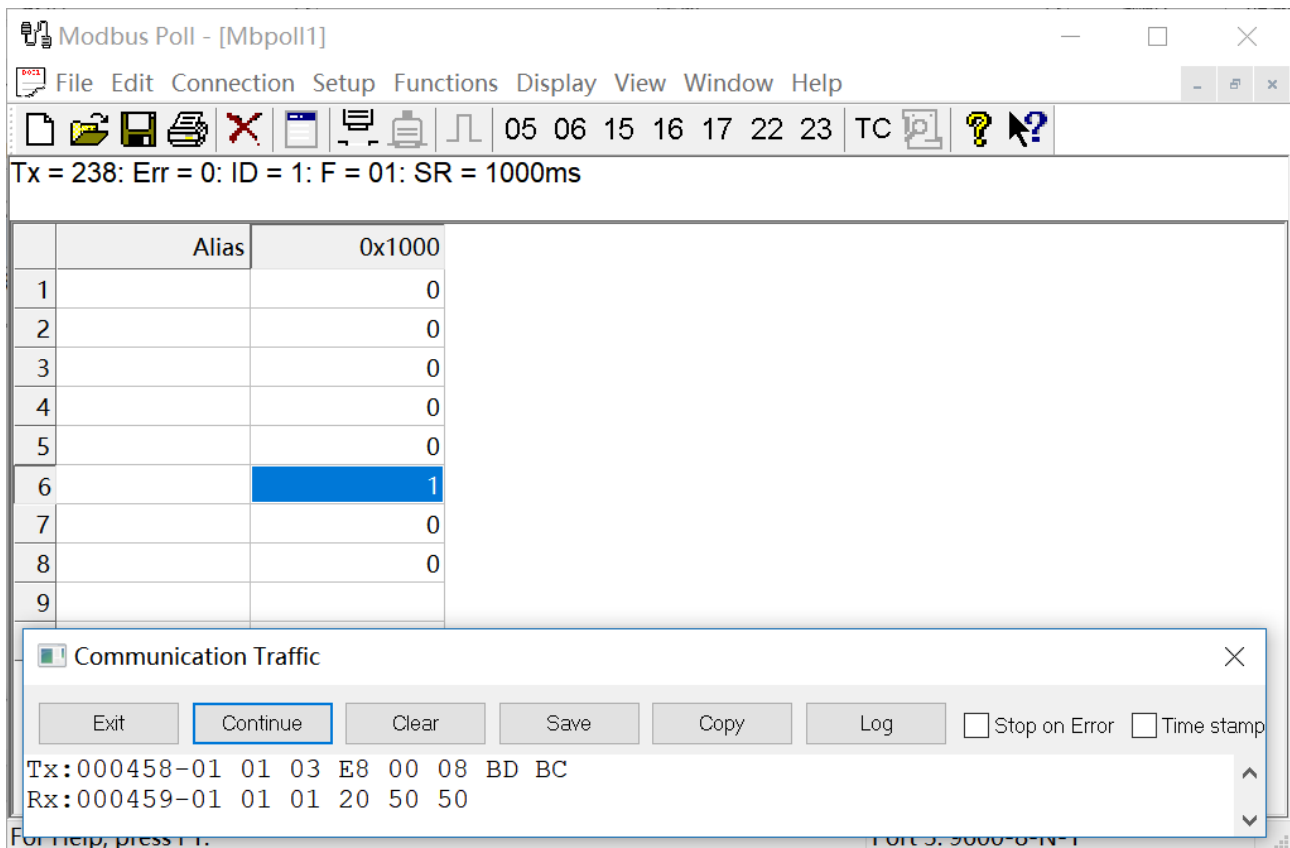
Rows

☒ 10 ☐ 20 ☐ 50 ☐ 100 ☐ Full

☐ Hide Alias Columns ☒ PLC Addresses (Base 1)

☐ Address in Cell ☐ Enron/Daniel Mode

For Help, press F1. Port 3: 9600-8-N-1



Modbus Poll - [Mbpoll1]

File Edit Connection Setup Functions Display View Window Help

Tx = 238: Err = 0: ID = 1: F = 01: SR = 1000ms

Alias 0x1000

1	0
2	0
3	0
4	0
5	0
6	1
7	0
8	0
9	

Communication Traffic

Exit Continue Clear Save Copy Log ☐ Stop on Error ☐ Time stamp

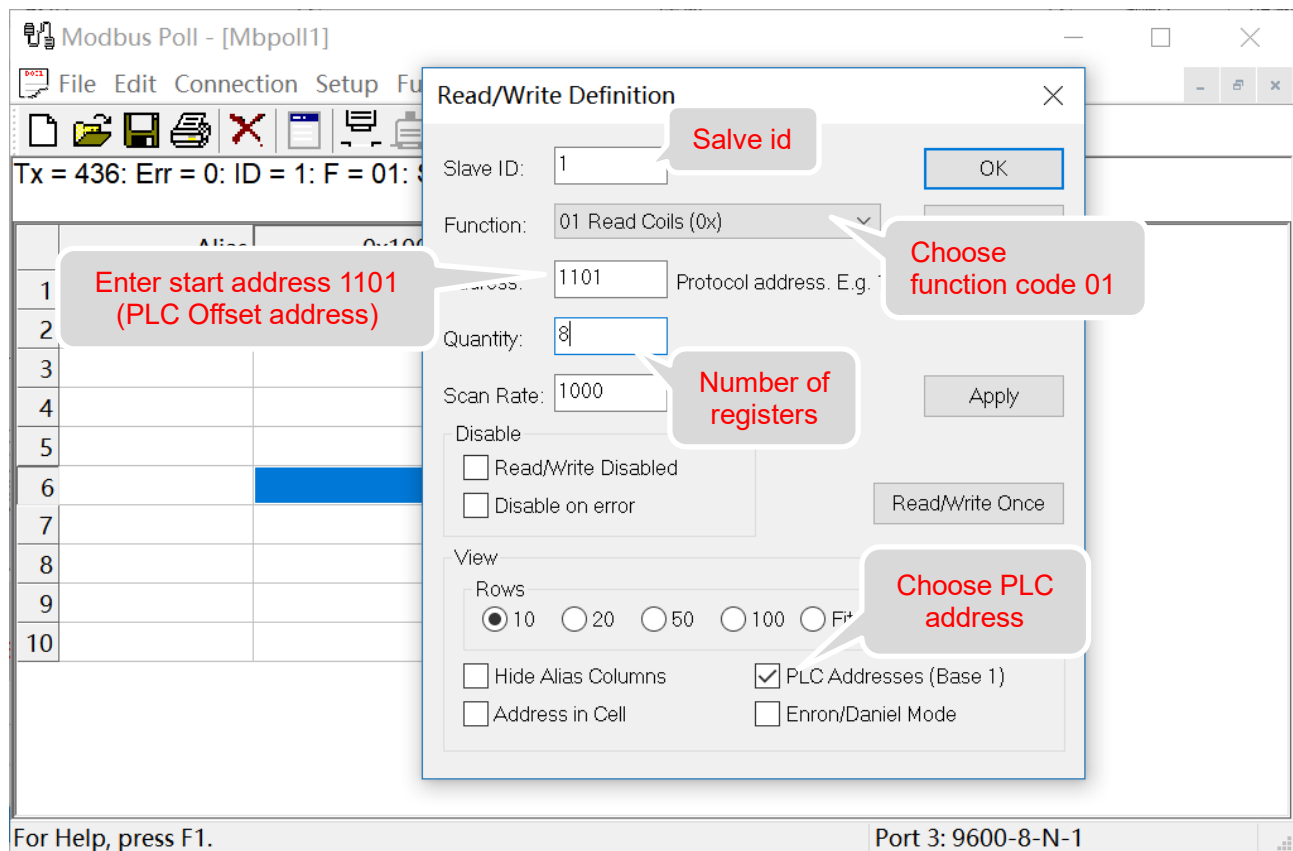
Tx: 000458-01 01 03 E8 00 08 BD BC

Rx: 000459-01 01 01 20 50 50

For Help, press F1. Port 3: 9600-8-N-1

2. Read digital output

For example, read 8 channels Do, slave id=1



Read/Write Definition

Slave ID: 1 (Slave id)

Function: 01 Read Coils (0x) (Choose function code 01)

Address: 1101 (Enter start address 1101 (PLC Offset address))

Quantity: 8 (Number of registers)

Scan Rate: 1000

Disable:

- ☐ Read/Write Disabled
- ☐ Disable on error

View:

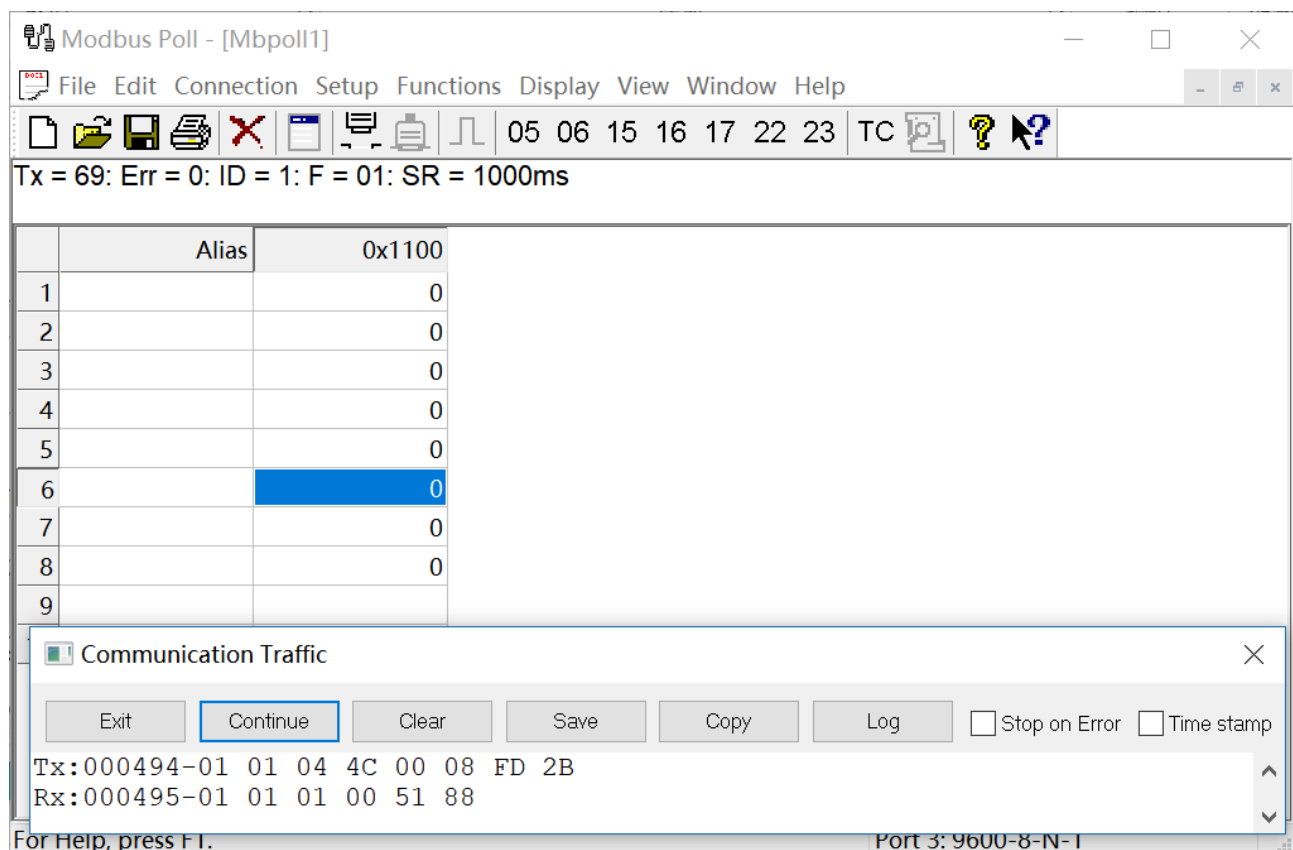
Rows: ☒ 10 ☐ 20 ☐ 50 ☐ 100 ☐ Fit

☐ Hide Alias Columns ☒ PLC Addresses (Base 1) (Choose PLC address)

☐ Address in Cell ☐ Enron/Daniel Mode

Buttons: OK, Apply, Read/Write Once

For Help, press F1. Port 3: 9600-8-N-1



Modbus Poll - [Mbpoll1]

File Edit Connection Setup Functions Display View Window Help

Tx = 69: Err = 0: ID = 1: F = 01: SR = 1000ms

	Alias	0x1100
1		0
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0

Communication Traffic

Exit Continue Clear Save Copy Log ☐ Stop on Error ☐ Time stamp

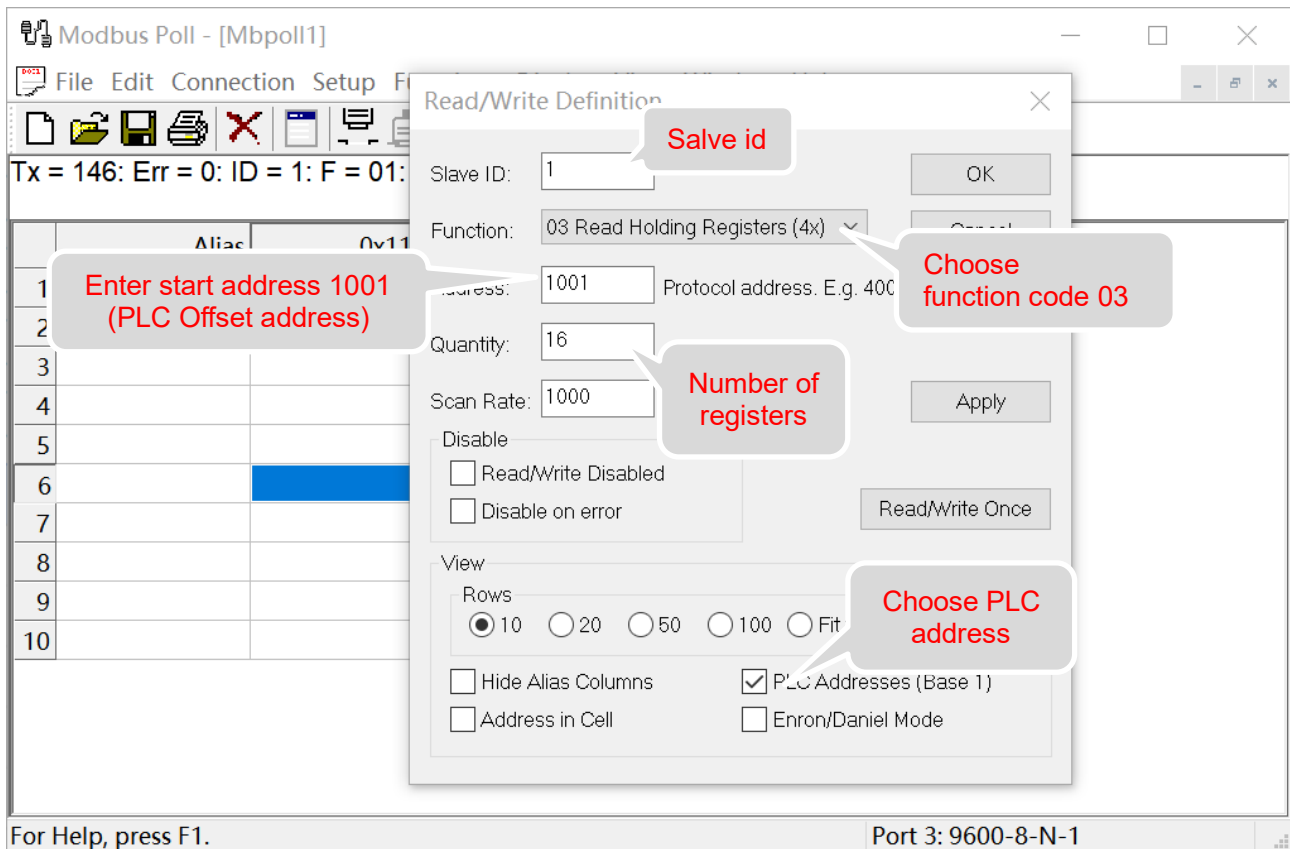
Tx: 000494-01 01 04 4C 00 08 FD 2B

Rx: 000495-01 01 01 00 51 88

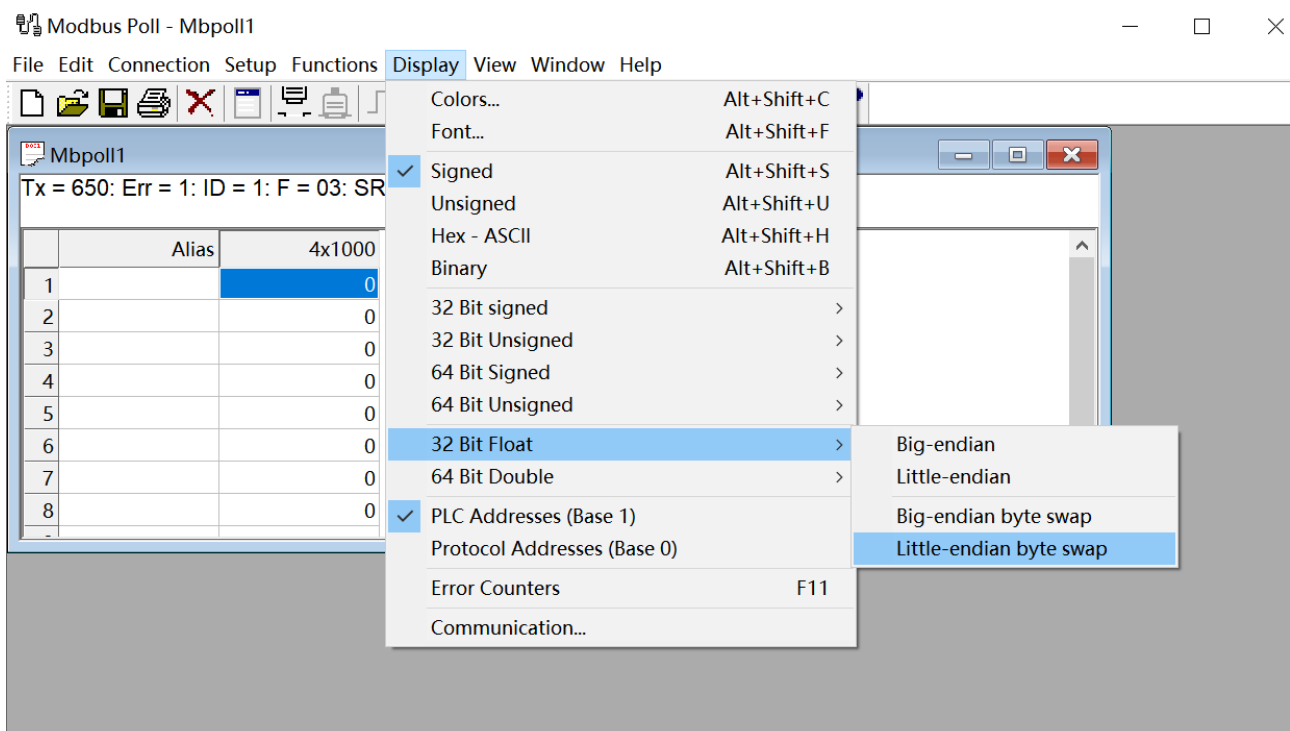
For Help, press F1. Port 3: 9600-8-N-1

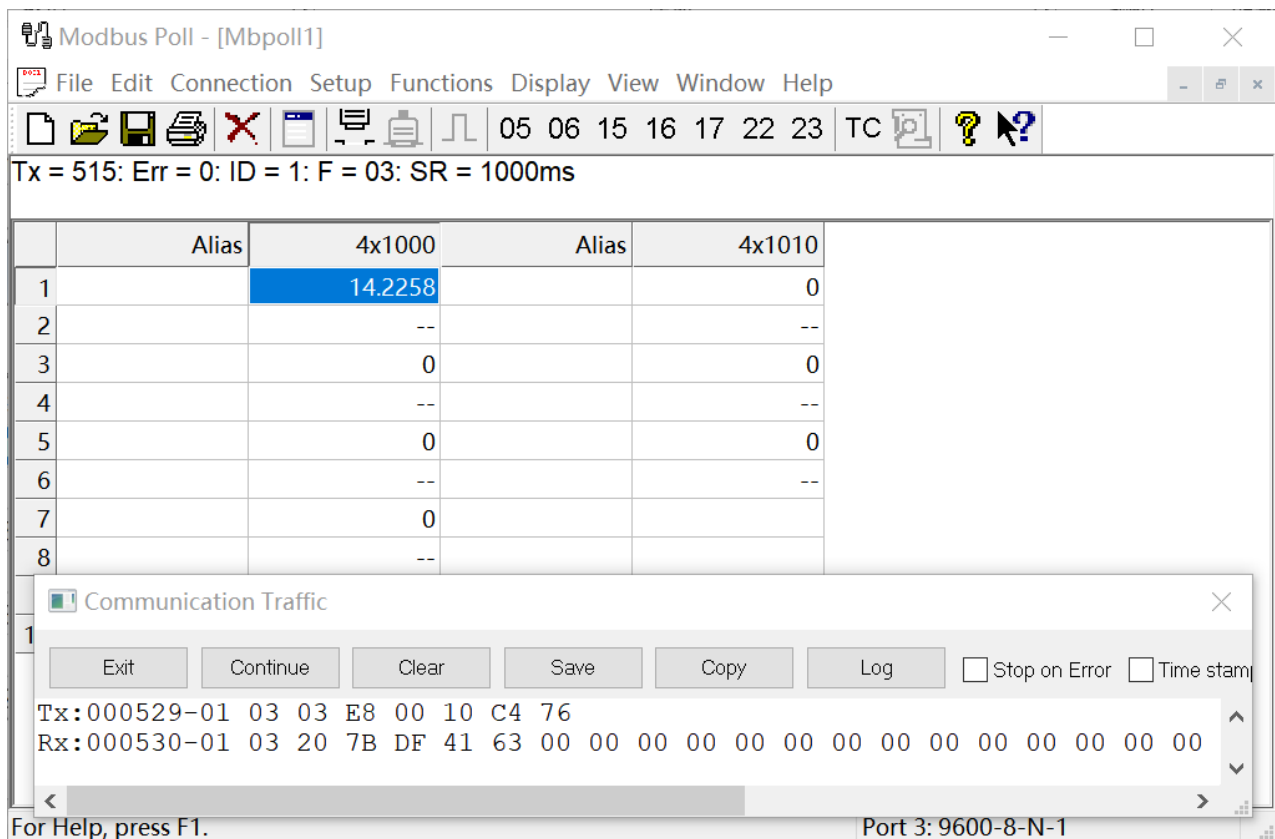
3. Read analog input

For example, read 8 channels Ai, slave id=1



Choose 32 Bit float





Modbus Poll - [Mbpoll1]

File Edit Connection Setup Functions Display View Window Help

Tx = 515: Err = 0: ID = 1: F = 03: SR = 1000ms

	Alias	4x1000	Alias	4x1010
1		14.2258		0
2		--		--
3		0		0
4		--		--
5		0		0
6		--		--
7		0		
8		--		

Communication Traffic

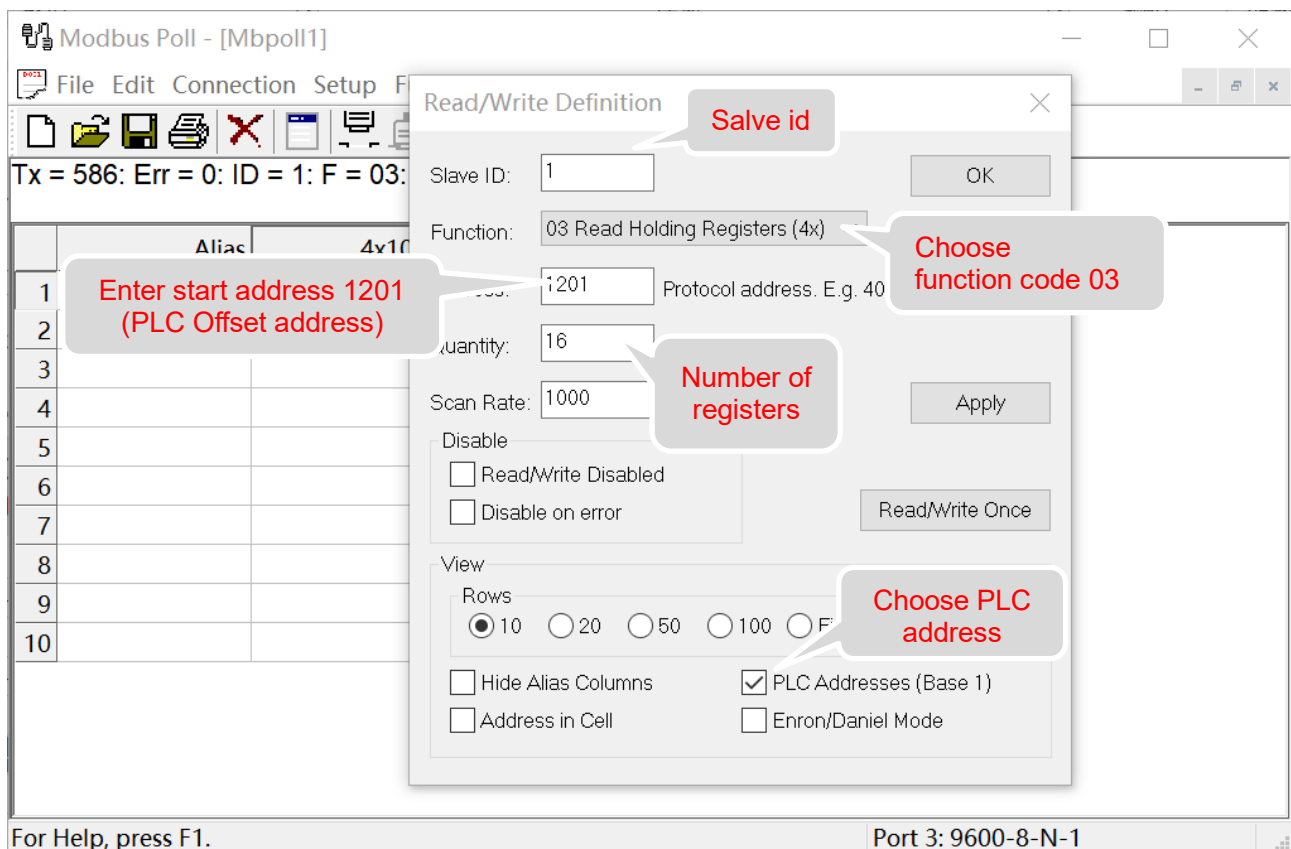
Exit Continue Clear Save Copy Log ☐ Stop on Error ☐ Time stamp

Tx:000529-01 03 03 E8 00 10 C4 76
 Rx:000530-01 03 20 7B DF 41 63 00 00 00 00 00 00 00 00 00 00 00 00 00 00

For Help, press F1. Port 3: 9600-8-N-1

4. Read temperature input

For example, read 8 channels of Ti, slave id=1



Modbus Poll - [Mbpoll1]

File Edit Connection Setup Functions Display View Window Help

Tx = 586: Err = 0: ID = 1: F = 03:

Read/Write Definition

Slave ID: 1 (Slave id)

Function: 03 Read Holding Registers (4x) (Choose function code 03)

Start: 1201 (Enter start address 1201 (PLC Offset address))

Quantity: 16 (Number of registers)

Scan Rate: 1000

Disable ☐ Read/Write Disabled ☐ Disable on error

View Rows ☒ 10 ☐ 20 ☐ 50 ☐ 100 ☐ Full (Choose PLC address)

☐ Hide Alias Columns ☒ PLC Addresses (Base 1) ☐ Enron/Daniel Mode

OK Apply Read/Write Once

For Help, press F1. Port 3: 9600-8-N-1

Choose 32 Bit float

