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## 1. Add Device under TCP Port or COM port

### 1) TCP Port

The screenshot shows a configuration window for a device. It has several sections: a main configuration area, a TCP/IP section, and an Extension Properties section. The main configuration area includes fields for Name, Device Type, Device Model, Unit Number, Tag Write Type, and Description. The TCP/IP section includes IP/Domain and Port Number. The Extension Properties section includes checkboxes and input fields for Device Address, Use UDP, Packet Delay, Digital block size, Analog block size, and Use RTU over TCP/IP.

<input checked="" type="checkbox"/> Enable	
Name:	NewDevice
Device Type:	Modicon Modbus Series (Modbus TCP)
<input type="checkbox"/> Device Model	Double Click to Select Device Template ...
Unit Number:	1
Tag Write Type:	Single Write
Description:	
<input checked="" type="checkbox"/> Add device name as prefix to IO tags	Bulk Copy

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**TCP/IP**

IP/Domain:	192.168.172.195
Port Number:	502

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**Extention Properties**

<input type="checkbox"/> Device Address (if other than Unit Number):	
Use UDP:	0
Packet Delay (ms):	0
Digital block size:	512
Analog block size:	64
Use RTU over TCP/IP ? (0:No, 1:Yes):	0

**Device Type:** Modbus TCP

**Unit Number:** Device ID of the Modbus slave.

**IP and Port:** The IP and port of the Modbus slave.

**Use UDP:** 0 is no (TCP), 1 is yes (UDP).

**Packet Delay:** The delay time during the previous packet and the next request.

Some devices cannot receive very fast request after they respond previous packet. A delay may be required for the next request from EdgeLink for those slow devices, especially for some old power meters.

**Digital block size/Analog block size:** The maximum number of registers in one request.

Some Modbus compatible devices use only a certain part of a Modbus address or only handle a short data range for data request from client.

**Use RTU over TCP/IP:** 0 means No, 1 means Yes.

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## 2) COM Port

The image shows two overlapping configuration windows. The top window, titled 'General Information', contains the following fields: 'Enable' (checked), 'Name' (NewDevice), 'Device Type' (Modicon Modbus Series (Modbus RTU)), 'Device Model' (unchecked, with a button 'Double Click to Select Device Template ...'), 'Unit Number' (1), 'Tag Write Type' (Single Write), and 'Description' (empty text area). At the bottom of this window are checkboxes for 'Add device name as prefix to IO tags' (checked) and a 'Bulk Copy' button. The bottom window, titled 'Extension Properties', contains: 'Use ASCII Protocol' (0), 'Packet Delay (ms)' (0), 'Digital block size' (512), and 'Analog block size' (64).

General Information	
<input checked="" type="checkbox"/> Enable	
Name:	NewDevice
Device Type:	Modicon Modbus Series (Modbus RTU)
<input type="checkbox"/> Device Model	Double Click to Select Device Template ...
Unit Number:	1
Tag Write Type:	Single Write
Description:	
<input checked="" type="checkbox"/> Add device name as prefix to IO tags	Bulk Copy

  

Extension Properties	
Use ASCII Protocol:	0
Packet Delay (ms):	0
Digital block size:	512
Analog block size:	64

**Device Type:** Modbus RTU

**Unit Number:** Device ID of the Modbus slave.

**Use ASCII Protocol:** 0 means No, 1 means Yes.

**Digital block size/Analog block size:** The maximum number of registers in one request.  
Some Modbus compatible devices use only a certain part of a Modbus address or only handle a short data range for data request from client.

**Use RTU over TCP/IP:** 0 means No, 1 means Yes.

## 2. Add Tags

The screenshot shows a 'New Tag' dialog box with two tabs: 'Basic' and 'Advanced'. The 'Basic' tab is active, showing fields for Name, Data Type, Conversion, Address, Start Bit, Length(bit), Span High, Span Low, Initial Value, Scan Rate, Read Write, and Description. The 'Advanced' tab is also visible, showing fields for Scaling Type, Formula, Scale, Offset, and Clamp options. The 'OK' and 'Close' buttons are at the bottom right.

Field	Value
Name	NewTag
Data Type	Analog
Conversion	Unsigned Integer
Address	40001
Start Bit	0
Length(bit)	16
Span High	1000
Span Low	0
Initial Value	0.0
Scan Rate	1
Read Write	Read/Write
Description	
Scaling Type	No Scale
Formula	
Scale	0
Offset	0
Clamp	<input type="checkbox"/> Clamp to span low <input type="checkbox"/> Clamp to span high <input type="checkbox"/> Clamp to zero

**Data Type:** Analog or Discrete.

**Conversion:** Match the Modbus slave.

**Address:** Start with 1. Below is the address template.

Address format	Date Type	Description
00001	Discrete	Coil Status
10001	Discrete	Input Status
30001	Analog	Input Register
40001	Analog	Holding Register