

EasyRemoteIO User Guide

EasyRemoteIO

This guide walks through settings in EasyRemoteIO for configuring Weintek iR-ETN/iR-ETN40R.

UM018004E\_20230822

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## 1. Overview

EasyRemoteIO is a tool designed for configuring Weintek iR-ETN/iR-ETN40R devices. Through the EasyRemoteIO interface, users have the capability to configure iR-ETN/iR-ETN40R's IP address and various parameters, and monitor or modify device values. Additionally, the export feature of EasyRemoteIO facilitate users, especially those using EasyBuilder Pro, CODESYS, or EtherNet/IP devices, in generating essential files for establishing a connection with iR-ETN/iR-ETN40R.

## 2. Quick Start

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roject Window		8 Aute	amatic Scan				
		- //010	Address Ma	ap Parameter			
			Channel Name	Туре	Online Value	Project Value	
og Message							6
og Message Date	Time				Message		5
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIO	is started. ProductVersion	x1.0.0.0	Message		5
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIC	is started. ProductVersion	r1.0.0.0	Message		
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIO	is started. ProductVersion	r1.0.0.0	Message		ā
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIC	is started. ProductVersion	r1.0.0.0	Message		á
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIC	is started. ProductVersion	r1000	Message		6
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIC	is started. ProductVersion	x10.0.0	Message		6
og Message Date 2018-02-07	Time 16:10:30.753	EasyRemoteIC	is started. ProductVersion	×10.0.0	Message		6

1. Launch EasyRemotelO, click on [Automatic Scan].

 Select [Overwrite the project], and click [Scan]. The default IP of iR-ETN/iR-ETN40R is 192.168.0.212. Please make sure the PC is in the same domain: 192.168.0.\*.\*.



Automatic Scan				×
Name	IP Address	Mac Address	Sub Mask	<ul> <li>Overwrite the project</li> <li>Add to project</li> </ul>
•		III	•	OK Cancel

**3.** The iR-ETN/iR-ETN40R can be found in Automatic Scan window. Select the iR-ETN/iR-ETN40R you want to configure and click OK.

Automatic Scan				<b>—</b>
Name	IP Address	Mac Address	Sub Mask	
IR-ETN	192.168.2.183	00-0C-26-01-02-04	255.255.252.0	Overwrite the project
TONY2	192.168.1.136	00-0C-26-12-34-5B	255.255.252.0	Add to project
D TONY1	192.168.1.138	00-0C-26-12-34-5A	255.255.252.0	0
				Scan
•			•	
				OK Cancel

4. The iR-ETN/iR-ETN40R and the module's information will be shown as below.



👸 EasyRemoteIO							
<u>F</u> ile Edit View Online Tool	s Help						
🖻 🖿 💽 💽 🗃	İ 🔍 📖	D: D: H D: D					
Project Window	5×	IO / Modules Address Map Parameter					
▲ (U; IR-ETN (192168.2.183) (U; #1: IR-DM16-P		Channel Name (R-ETN (192.168.2.183) (#1: iR-DM16-P	Type DI/DO	Online Value	Project Value Ox00		
I Marrier							
rof messife							
Date Time				Message			
2018-02-07 16:21:28.500	Auto scan is suc	ccessfully completed.					
2018-02-07 16:10:30.753	EasyRemoteIO	is started. ProductVersion:1.0.0.0					

5. Select [Change IP] under [Online] to change the IP address of iR-ETN/iR-ETN40R and then click OK.

#### EasyRemoteIO



e Edit View Online Tools Help  e Edit View Online Tools Help  Compare with Offline Shift+C  if iR-ETN 12  Copy to Project Special Commands Change IP  Start Monitoring Shift+M  cossumption Consumption Consumpti Consumption						
Contract Year       Compare with Offline       Shift+S       Image: Shift+C       Address Mag       Parameter         Image:						
Automatic scan       Shift+S       B       Compare with Offline       Shift+C						
ieret Window       Compare with Offline       Shift+C       Address Map       Parameter         Image: Plane Project Commands       Upload       92.168.2.183)       Online Value       Project Value         Image: Plane Project Commands       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Plane Project Commands       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Plane Project Value       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Plane Project Value       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Plane Project Value       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Value Project Value       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Value Project Value Project Value       or name       Image: Plane Project Value       Image: Plane Project Value         Image: Value Project Value						
Image: Instant Control (Image: Image: Ima						
Image: Second						
Copy to Project       r name       Image: Commands         Special Commands       ct code       Image: Commands         Change IP       are revision       Image: Commands         are revision       Image: Commands       Image: Commands         Start Monitoring       Shift+M       are revision       Image: Commands         Stop Monitoring       Shift+O       consumption       Image: Commands         Current power consumption       Image: Commands       Image: Commands       Image: Commands         Vife guard time       O       Image: Commended       Image: Commended       Image: Commended         Number of TCP connected       Image: Commended						
Special Commands Change IP     t code     incline       Start Monitoring     Shift+M Start Monitoring     Shift+O Consumption     incline       Stop Monitoring     Shift+O Consumption     incline       Current power consumption     incline       Power supply     incline       Life guard time Number of TCP connected     ON       Number of modules     point of Digital input     incline						
Change IP     ame     iR-ETN       iare revision     iare revision     iare revision       ist Monitoring     Shift+0     consumption       ist Monitoring     Shift+0     consumption       ist Monitoring     Shift+0     consumption       ist Monitoring     Shift+0     ist Monitoring       ist Monitoring     Shift+0     consumption       ist Monitoring     Shift+0     ist Monitoring       ist Monitorist Monitoring						
Start Monitoring     Shift+M     are revision     Image: Construction       Stop Monitoring     Shift+O     consumption     Image: Construction       Very supply     Image: Construction     Image: Construction     Image: Construction       Image: Unservice Stop Monitoring     Very supply     Image: Construction     Image: Construction       Image: Unservice Stop Monitoring     Very supply     Image: Construction     Image: Construction       Image: Unservice Stop Monitoring     Very supply     Image: Construction     Image: Construction       Image: Unservice Stop Monitoring     Number of TCP connected     Image: Construction     Image: Construction       Number of modules     Image: Construction     Image: Construction     Image: Construction       Point Of Digital Input     Image: Construction     Image: Construction						
Start Monitoring       Shift+M       are revision         Stop Monitoring       Shift+O       consumption         Power supply       Image: Construction of the supply       Image: Construction of the supply         Life guard time       0         Number of TCP connected       Image: Construction of the supply         Point Of Digital input       Image: Construction of the supply						
Stop Monitoring     Shift+O     consumption       Power supply        Life guard time     0       iBus continue run     ON       Number of TCP connected        Point Of Digital input						
Current power consumption     Power supply       Power supply     0       Life guard time     0       iBus continue run     ON       Number of TCP connected     0       Number of TOP connected     0       Point Of Digital input     0						
Power suppy     0       Life guard time     0       iBus continue run     ON       Number of TCP connected     0       Number of modules     0       Point Of Digital input     0						
Iter guad time     0       iBus continue run     ON       Number of TCP connected     0       Number of modules     0       Point Of Digital input     0						
Number of TCP connected     Image: Connected       Number of modules     Image: Connected       Point Of Digital input     Image: Connected						
Number of modules Point Of Digital input						
Point Of Digital input						
Point Of Digital output						
Number Of Analog input						
Number Of Analog output						
g Message						
Date Time Message						
Auto scan is successfully completed.						
1018-02-07 16:10:30.753 EasyRemoteIO is started. ProductVersion:1.0.0.0						
Change IP address						
Change IP address						
Change IP address           Mac Address : 00-0C-26-01-02-04           IP Address : 192         168         2         183						

- 6. In the Project Window, select an iR-ETN/iR-ETN40R and then go to [Parameter] tab in the right column. Here you can change the related parameters of iR-ETN/iR-ETN40R. The actual value of iR-ETN/iR-ETN40R is in the [Online Value] column. The new value should be entered in the [Project Value] column.

OK

Cancel



EasyRemotel	)						
File Edit Vie	w Online Too	ls Help					
	) 📭 🗄 🗐	8 🖾 🔯 🛛	4 <b>6 6 14 16 6</b>				
Project Window		ē×	IO / Modules Address Map Parameter				
⊿ 🗊 iR-ETN	(192.168.2.183) R-DM16-P		Channel Name	Online Value	Project Value		
			<ul> <li>iR-ETN (192.168.2.183)</li> </ul>				
			Vendor name				
			Product code				
			Host name		iR-ETN		
			Firmware revision				
			Hardware revision				
			Power consumption				
			Current power consumption				
			Power supply				
			Life guard time		0		
			iBus continue run		ON		
			Number of TCP connected				
			Number of modules				
			Point Of Digital input				
			Point Of Digital output				
			Number Of Analog input				
			Number Of Analog output				
Log Message						₽×	
Date	Time			Message			
2018-02-07	16:47:13.631	Auto scan is s	can is successfully completed.				
2018-02-07	16:21:28.500	Auto scan is s	an is successfully completed.				
2018-02-07	16:10:30.753	EasyRemoteI	O is started. ProductVersion:1.0.0.0				

 Click [Upload] to read the data from iR-ETN/iR-ETN40R and show in EasyRemoteIO.

Click [Download] to write the data in EasyRemoteIO to iR-ETN/iR-ETN40R.

<u>F</u> ile	Edit	View	Online	e Tools	Help			
B		<b>**</b>			İ	li 🔂 🔂	1	Ō
Project	Windo	w			₽×	IO / M Uploa	d Address Man	Parameter
						10111	induicas Map	
File	n da							
Tue	Edit	View	Onlin	e Tools	Help			
		View	Onlin	e Tools	Help	li 🔂 🔂	) <b>Fi</b>   🐼	<b>F</b> 0

 Select the module connected to iR-ETN/iR-ETN40R in Project Window. In the IO/Modules tab you can read/write inputs and outputs value. Click [Download] to write the data from EasyRemoteIO to iR-ETN/iR-ETN40R.

EasyRemoteIO	)						
<u>F</u> ile Edit View	v Online Too	ls Help					
66 6	E I I	İ 🔍 🛙	u 6 6 k k 6 6				
Project Window		₽×	IO / Modules Address Map P	arameter			
▲ 🗊 iR-ETN ( 🗊 #1: il	(192.168.2.183) R-DM16-P		Channel Name	Туре	Online Value	Project Value	
			Digital Input #0 Digital Input #1 Digital Input #2 Digital Input #3 Digital Input #4 Digital Input #4 Digital Input #5 Digital Input #7 Digital Output #0 Digital Output #1	DI DI DI DI DI DI DI DO DO		0	
			Digital Output #2 Digital Output #3 Digital Output #4 Digital Output #5 Digital Output #6 Digital Output #7	DO DO DO DO DO		0 0 0 0 0	
Log Message							ē ×
Date	Time				Message		
2018-02-07	16:47:13.631	Auto scan is s	uccessfully completed.				
2018-02-07	16:21:28.500	Auto scan is s	uccessfully completed.				
2018-02-07	16:10:30.753	EasyRemoteI	telO is started. ProductVersion:1.0.0.0				

#### 🚮 EasyRemoteIO - - -<u>File</u> Edit View Online Tools Help Project Window ₽× IO / Modules Address Map Parameter 4 🗊 iR-ETN (192.168.2.183) Channel Name Online Value Project Value III: iR-DM16-P #1: iR-DM16-P Digital input filter time #0 0 Digital input filter time #1 0 Digital input filter time #2 0 Digital input filter time #3 0 Digital input filter time #4 0 Digital input filter time #5 0 Digital input filter time #6 0 Digital input filter time #7 0 Digital output error mode #0 Error value Digital output error mode #1 Error value Digital output error mode #2 Error value Digital output error mode #3 Error value Digital output error mode #4 Error value Digital output error mode #5 Error value Digital output error mode #6 Error value Digital output error mode #7 Error value Digital output error value #0 Digital output error value #1 Low low Log Message đΧ Date Time Message 2018-02-07 16:47:13.631 Auto scan is successfully completed. 2018-02-07 16:21:28.500 Auto scan is successfully completed. 2018-02-07 16:10:30.753 EasyRemoteIO is started. ProductVersion:1.0.0.0

#### 9. The parameters of the modules can be changed in Parameter tab.



## 3. Settings

### Edit

#### Add

Network Coupler: Add network coupler manually. Module: Add module manually.

## Online

#### **Automatic Scan**

Scan all the iR-ETN/iR-ETN40R in the same domain.

#### Compare with Offline

Check whether the devices in EasyRemoteIO exist in the same domain.

Compare	with Offline			8
	Item	Offline Value	Online Value	
#2: Nor	n-exist online	iR-DI16-K	x	
(	(			
	EasyRemote	eIO	×	Start Compare
	c A	Comparision completed 192.168.1.225)	d. Configuration is different. Target: iR-COP	
			ОК	
l				OK Cancel

#### Download

Write the value from EasyRemoteIO's Project Value column to the iR-ETN/iR-ETN40R. **Upload** 

Read the value from iR-ETN/iR-ETN40R and show it in EasyRemoteIO's Online Value column.

#### Copy to project

Read the value from iR-ETN/iR-ETN40R and show it in EasyRemoteIO's Online Value and Project Value columns.



annel Name	Type Online Value Project Val	Project Value	
#1: iR-DM16-P			
Digital Input #0	DI	0	
Digital Input #1	DI	0	
Digital Input #2	DI	0	
Digital Input #3	DI	0	
Digital Input #4	DI	0	
Digital Input #5	DI	0	
Digital Input #6	DI	0	
Digital Input #7	DI	0	
Digital Output #0	DO	0	0
Digital Output #1	DO	0	0
Digital Output #2	DO	0	0
Digital Output #3	DO	0	0
Digital Output #4	DO	1	1
Digital Output #5	DO	0	0
Digital Output #6	DO	0	0
Digital Output #7	DO	0	0

#### Special Commands

Restart Device: Restart iBus and module.

Restart iBus: Restart iBus only.

Reset to default (except IP setting): Reset all the parameters, except IP settings, to default.

Special Commands	×
Restart Device Restart iBus Reset to default(except IP Setting)	Send
	Cancel

#### Change IP

Change the IP address of iR-ETN/iR-ETN40R.

Change IP ac	ldress	×	
Mac Address :	00-0C-:	26-04-05-06	
IP Address :	192	. 168 . 1 . 225	
Sub Mask :	255	. 255 . 252 . 0	
		OK Cancel	

EasyRemotelO



### **Start Monitoring**

Start monitoring iR-ETN/iR-ETN40R. (Read only)

#### **Stop Monitoring**

Stop monitoring iR-ETN/iR-ETN40R.

## Tools

#### Modbus

Allows users to run an online MODBUS TCP/IP client on the PC.

Modbus Communication			
Communication Setup IP Address : Protocol :	192 . 168 . 1 . Modbus TCP v	40 Slave II	): [0]
Pre_defined :	[1.Read] Digital input		
Address :	0	Quantity : 1	
Write :			Send
Response			
🔿 Hex 🔿 Dec	○ ASCII	⊘ BIN	Exit

00000



## 4. Analog Module

## **Displaying Channel Value**

All channel values are displayed when clicking the [Start Monitoring] button in the IO/Modules tab.

IO /	Mod	ules Address Map H	Parameter		
Ch	anne	l Name	Туре	Online Value	Project Value
~	#3:	iR-Al04-VI			
		Analog Input #0	AI	0	
		Analog Input #1	AI	0	
		Analog Input #2	AI	0	
		Analog Input #3	AI	0	

## Writing Channel Value

All channel values are displayed when clicking the [Start Monitoring] button in the IO/Modules tab.

Specify [Project Value] and then click [Download], the specified value will be written into [Online Value].

IO /	Mod	ules Address Map Pa	rameter		
Ch	anne	l Name	Туре	Online Value	Project Value
~	#2:	iR-AQ04-VI			
		Analog Output #0	AO	10000	10000
		Analog Output #1	AO	0	0
		Analog Output #2	AO	0	0
		Analog Output #3	AO	0	0

## **Configuring Parameters**

Click [Upload All] to read all parameters which are displayed in the Parameter tab.

Channel Name	Online Value	Project Value	
✓ #3: iR-AI04-VI			
Product Code	0x0425		
Firmware Revision	1.0.0.0		
Hardware Revision	1.0.0.0		
Power Consumption	0.35 W		
Point of Digital Input	0		
Point of Digital Output	0		
Number of Analog Input	4		
Number of Analog Output	0		
Input Mode #0	Close	Close	•
Input Mode #1	Close	Close	•
Input Mode #2	Close	Close	•
Input Mode #3	Close	Close	•
Input Scale Range Upper Limit #0	32000	32000	
Input Scale Range Upper Limit #1	32000	32000	

Change channel parameter under [Project Value].

#### EasyRemoteIO



Channel Name		Online Value	Project Value	
#3: iR-Al04-VI				
Product Code		0x0425		
Firmware Revision Hardware Revision		1.0.0.0		
		1.0.0.0		
Power Consun	ption	0.35 W		
Point of Digita	Input	0		
Point of Digita	Output	0		
Number of An	alog Input	4		
Number of An	alog Output	0		
Input Mode #0		Close	±10¥	•
Input Mode #1		Close	Close	-
Input Mode #2		Close	Close	•
Input Mode #3		Close	Close	•
Input Scale Rai	nge Upper Limit #0	32000	32000	
Input Scale Bar	are Upper Limit #1	32000	32000	

Click [Download] to write from [Project Value] into [Online Value].

IO / Modules Address Map Parameter			
Channel Name	Online Value	Project Value	
✓ #3: iR-AI04-VI			
Product Code	0x0425		
Firmware Revision	1.0.0.0		
Hardware Revision	1.0.0.0		
Power Consumption	0.35 W		
Point of Digital Input	0		
Point of Digital Output	0		
Number of Analog Input	4		
Number of Analog Output	0		
Input Mode #0	±10V	±10V	•
Input Mode #1	Close	Close	-
Input Mode #2	Close	Close	•
Input Mode #3	Close	Close	-
Input Scale Range Upper Limit #0	32000	32000	
Input Scale Range Upper Limit #1	32000	32000	

%For more information about channel parameters, see chapter 6 in UM018013E\_iR-Axxx-VI\_UserManual\_20190401\_eng.

Settings in the Parameter tab are written into the analog module's registers. A faster way to start analog module is to configure the parameters using EasyRemoteIO and then import the settings on the coupler.



# Initializing Module

[Online] » [Special Commands]

Select the analog modules to be initialized, and then click [Send] to restore factory default.

Special Commands	×
Restart Device Restart iBus Reset to default(except IP Setting) Reset to manufacture value (#2: iR-AQ04-VI) Reset to manufacture value (#3: iR-AI04-VI) Reset to manufacture value (#4: iR-AI04-TR) Reset to manufacture value (#7: iR-AI04-VI) Reset to manufacture value (#8: iR-AQ04-VI) Reset to manufacture value (#11: iR-AQ04-VI) Reset to manufacture value (#13: iR-AQ04-VI)	Send
	Cancel

0000





## 5. Export

#### **Export Tag**

When Weintek Remote IO (MODBUS TCP/IP) driver is selected in EasyBuilder Pro, selecting [Export Tag] in EasyRemoteIO can help users quickly build iR-ETN/IR-ETN40R related parameters.

1. Launch EasyRemoteIO and select [File] » [Export Tag].

	EasyRemotelO						- 🗆	;
File	Edit View Online	Tools Hel						
<b>6</b>	Onen	CHILO.	□ 12					
-	Open	Cui+O	I 💷 II-II I					
L¥.	New	Ctrl+N	ē ×	NING 1.1. All No. Downster D. T.	former from			
8	Save	Ctrl+S		77 MODULES MAD 1 STATE FOWEI I	nonuagon			
品	Save As			Channel Name	Modbus Mapping	Online Value	Project Value	^
0	Europet Ten			#1: iR-AM06-VI				
	Export lag			Product Code	0x7530	0x0635		
	Export PLCopenXML			Firmware Revision	0x7531	1.0.0.0		
	Export EtherNet/IP EDS			Hardware Revision	0x7532	1.0.0.0		
				Power Consumption	0x7533	0.35 W		-
				Point of Digital Input	0x7556	0		
				Point of Digital Output	0x7557	0		
				Number of Analog Input	0x7558	4		
				Number of Analog Output	0x7559	2		
				Analog Output Error Mode #0	0x1815[0]	Error value	Error value	
				Analog Output Error Mode #1	0x1815[1]	Error value	Error value	
				Analog Output Error Value #0	0x1819	0	0	
				Analog Output Error Value #1	0x181a	0	0	
				Output Mode #0	0x4e20	±10V	±10V	
				Output Mode #1	0x4e21	Close	Close	
				Output Scale Range Upper Limit #0	0x4e24	32000	32000	
				Output Scale Range Upper Limit #1	0x4e25	32000	32000	
				Output Scale Range Lower Limit #0	0x4e28	-32000	-32000	
				Output Scale Range Lower Limit #1	0x4e29	-32000	-32000	~

 Launch EasyBuilder Pro and select [System Parameters] » [New Device] » [Weintek Remote IO (MODBUS TCP/IP)].

Device Properties		
Weintek Labs., Inc.	~	Search
Weintek Built-in CODESYS		
Weintek Remote IO (CANopen)		
Weintek Remote IO (MODBUS TCP/IP)		

**3.** After importing tags, information about iR-ETN/iR-ETN40R can be found when creating an object.

Device : V	Veintek Remote IO (MODBUS TCP/IP)		×		
Address type : iF	R-ETN.Vendor Name		~		
Address :	۹.				
Address format : D	Name	Data type	Description	^	
	iR-ETN.Vendor Name	Undesignated			
	iR-ETN.Product Code	Undesignated			
	iR-ETN.Host Name	Undesignated			
* To make calculation ( conversion definition	iR-ETN.Firmware Revision	Undesignated			
Tag Library	iR-ETN.Hardware Revision	Undesignated			
	iR-ETN.Power Consumption	Undesignated			
	R-ETN.Current Power Consumption	Undesignated			
	iR-ETN.Power Supply	Undesignated			
	D IP ETN Life Guard Time	Undesignated		¥	
	Tag: iR-ETN.Vendor Name				Ok



## Export PLCopenXML

Exporting PLCopenXML file can help users quickly build communication parameters when establishing connection between a CODESYS device and an iR-ETN/iR-ETN40R.

1. Launch EasyRemoteIO and select [File] » [Export PLCopenXML].

EasyRemotelO					- 0
ile Edit View Onlin	e Tools Help				
📄 Open	Ctrl+0	B 🛛 🖬 🐘 💵 🗰 🗠 % %			
A New	Ctrl+N	×			
Save	Ctrl+S	IO / Modules Address Map Parameter Pov	ver Information		
Save As		Channel Name	Modbus Mapping	Online Value	Project Value
Export Teg		✓ #1: iR-AM06-VI			
Export log		Product Code	0x7530	0x0635	
Export PLCopenAIVIL		Firmware Revision	0x7531	1.0.0.0	
Export EtherNet/IP EE	os	Hardware Revision	0x7532	1.0.0.0	
		Power Consumption	0x7533	0.35 W	
		Point of Digital Input	0x7556	0	
		Point of Digital Output	0x7557	0	
		Number of Analog Input	0x7558	4	
		Number of Analog Output	0x7559	2	
		Analog Output Error Mode #0	0x1815[0]	Error value	Error value
		Analog Output Error Mode #1	0x1815[1]	Error value	Error value
		Analog Output Error Value #0	0x1819	0	0
		Analog Output Error Value #1	0x181a	0	0
		Output Mode #0	0x4e20	±10V	±10V
		Output Mode #1	0x4e21	Close	Close
		Output Scale Range Upper Limit #0	0x4e24	32000	32000
		Output Scale Range Upper Limit #1	0x4e25	32000	32000
		Output Scale Range Lower Limit #0	0x4e28	-32000	-32000
		Output Scale Range Lower Limit #1	0x4e29	-32000	-32000

 Select the device and set the file version to be exported. The file version should be the same as that of the Modbus\_TCP\_Slave in CODESYS IDE. The version used in the example below is 3.5.16.0.

Channel Select	×
→ IR-ETN (192.168.3.212)	
> [] iR-ETN (192.168.1.135)	
> iR-ETN (192.168.1.136)	
<	>
Select All         Unselect All         Export file version : 3.5.16.0         OK         Can	icel



#### Add Device $\times$ Name Modbus\_TCP\_Slave Action ● Append device ○ Insert device ○ Plug device ○ Update device String for a full text search Vendor <All vendors> Name Vendor Version Description 🖃 🔟 Fieldbuses 🖮 📖 Modbus Modbus TCP Slave Modbus TCP Slave 3S - Smart Software Solutions GmbH 3.5.16.0 A generic Modbus c Modbus TCP Slave 3S - Smart Software Solutions GmbH 4.1.0.0 A generic Modbus c < | > Group by category 🗸 Display all versions (for experts only) 🗌 Display outdated versions

3. Launch CODESYS, add [Ethernet] » [Modbus\_TCP\_Master] device.



4. Select [Project] » [Import PLCopenXML] to import PLCopenXML.



Devices	<b>-                                    </b>	IR_ETN_192_168_3_212_ X									
= (1) PLCopenXML			_								
😑 🏢 Device (Weintek Built-in CODESYS)		General		Name	Access Type	Trigger	READ Offset	Length	Error Handling	WRITE Offset	Length
PLC Logic		Modbus Slave Channel	0	1: iR-AM06-VI. Analog Input	Read Input Registers (Function Code 04)	Cyclic, t#100ms	16#0000	4	Keep last Value		
Opplication     Mill Library Manager     HPLC_PRG (PRG)     Set 2 (2000)     Set 2 (20			1	1: IR-AM06-VI. Analog Output	Read/Write Multiple Registers (Function Code 23)	Cyclic, t#100ms	16#0100	2	Keep last Value	16#0100	2
		Modbus Slave Init	2	2: iR-DM16-N.Digital Input	Read Discrete Inputs (Function Code 02)	Cyclic, t#100ms	16#0000	8	Keep last Value		
			3	2: iR-DM16-N.Digital Output(R)	Read Coils (Function Code 01)	Cyclic, t#100ms	16#0000	8	Keep last Value		
		ModbusTCPSlave Parameters	4	2: iR-DM16-N.Digital Output(W)	Write Multiple Coils (Function Code 15)	Cyclic, t#100ms				16#0000	8
🖻 🥸 MainTask											
PLC_PRG		ModbusTCPSlave I/O Mapping									
Ethernet (Ethernet)											
Modbus_TCP_Master (Modbus TCP Master)		Status									
ー 団 R_ETN_192_168_3_212_ (Modbus TC	Slave)	Information									

 After importing the file, the selected iR-ETN/iR-ETN40R can be found in the CODESYS project with the read/write channels and parameters set.



## Export EtherNet/IP EDS

Exporting EtherNet/IP EDS file can generate Electronic Data Sheets of iR-ETN/iR-ETN40R.

1. Launch EasyRemoteIO and select [File] » [Export EtherNet/IP EDS].



2. Import EtherNet/IP EDS in the user interface of EtherNet/IP device. Please see <u>iR-ETN EtherNet/IP Connection Guide</u> for more information.