

Discover & Add Modbus, TCP Device into EcoStruxure panel Server



EcoStruxure Panel Server-137

Product Range
EcoStruxure Panel Server

Product Model
Universal 24VDC

Serial Number
542132410079

Firmware Revision
001.006.000

Date/Time 
20/06/2023 | 23:48:28

DISCONNECT

Connection:  Remote  [Gateway Webpage](#)

Password Management 

Wireless Devices

Add, edit and delete wireless devices and their configuration

Modbus Devices

Add Modbus devices to EcoStruxure Panel Server.

Configure Digital Inputs

Configure the two digital inputs in the gateway

Device Check Up

Check and test the device connections and view energy readings for the wireless devices connected to your EcoStruxure Panel Server.

Firmware

View the firmware status and upgrade if required.

Backup / Restore

Backup and restore the configuration of the EcoStruxure Panel Server and connected devices.

Click on Launch Device Discovery Button to Enter IP Details of EcoStruxure Panel Server

EcoStruxure Power Commission

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Try our new Home page!

GOP! Shiralan

English

Create New Project

Launch Device Discovery

Connect to device directly

Launch Firmware Upgrade

My Projects

Project Name

Details

Search Project

023-GSMAD B02

Communication Test Report

Project Report

1 Aitron

Communication Test Report

Project Report

25 Breakers-01

Communication Test Report

Project Report

25 Breakers

Communication Test Report

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Entry point-1, Select IP/ETHERNET TAB,

Enter IP Details of EcoStruxure Panel Server along with Modbus Address of Device Connect to EcoStruxure Panel Server, Click on **NEXT** Button.

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Add devices

Find devices via: IP / ETHERNET USB / SERIAL QR CODE SCAN FILE IMPORT

Auto discovered IP devices - 0

Couldn't find the device?

✓	CONNECTION	SERIAL DEVICE(S) ADDRESS RANGE	NAME	MAC ADDRESS
		Enter Serial Address (Modbus or ION) for all devices connected to the gateway		
✓	10.179.90.1	1-5		

+ Add Manually

NEXT

EPC shall provide list of Modbus Serial device Connected to EcoStruxure Panel Server along with the Address of each Serial Device.

Click on **Add Devices** Button to Add Serial Device into Project

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Add devices

← Device List - 16 Found

Recommended devices in a project

Couldn't find the device?

✓	CONNECTION	DEVICE ADDRESS	CONNECTION TYPE	DEVICE TYPE	DEVICE NAME Autofill
✓		31	Modbus TCP/IP via Gateway	PM2125	PM2125-137-31
✓		32	Modbus TCP/IP via Gateway	PM5330	PM5330-137-32
✓		41	Modbus TCP/IP via Gateway	EM6436H	EM6436H-137-41
✓		42	Modbus TCP/IP via Gateway	EM6438H	EM6438H-137-42
✓		43	Modbus TCP/IP via Gateway	PM5580	PM5580-137-43
✓		4	Modbus TCP/IP via Gateway	Smartlink Modbus	Smartlink Modbus-137-4
✓		5	Modbus TCP/IP via Gateway	Smartlink Modbus	Smartlink Modbus-137-5
✓		35	Modbus TCP/IP via Gateway	PM3255	PM3255-137-35

Devices Selected : 16

ADD DEVICES

All Modbus Serial device Connected to EcoStruxure Panel Server shall be listed in Switchboard View
Ex: Power meters, Circuit Breakers listed in Switchboard Hierarchy.

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Panel Server

TEST

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SWITCHBOARD VIEW

COMMUNICATION VIEW

EcoStruxure Panel Server-225

Circuit Breaker (1 Device)

Masterpact MTZ

Power Meter (5 Devices)

Energy Meter

PM3255

PM5561

PM8000

PM5570

Others (6 Devices)

EM3555

PM2130

Smartlink Modbus

PM2130#1



EcoStruxure Panel Server-225

Product Range

EcoStruxure Panel Server

Firmware Revision

Product Model

Universal 24VDC

Date/Time

Serial Number

542312410165

CONNECT TO DEVICE

Connection:

Remote

 Gateway Webpage

Wireless Devices

Add, edit and delete wireless devices and their configuration

Connect to device

Modbus Devices

Add Modbus devices to EcoStruxure Panel Server.

Connect to device

Configure Digital Inputs

Configure the two digital inputs in the gateway

Connect to device

Device Check Up

Check and test the device connections and view energy readings for the wireless devices connected to your EcoStruxure Panel Server.

Connect to device

Firmware

View the firmware status and upgrade if required.

Connect to device

Backup / Restore

Backup and restore the configuration of the EcoStruxure Panel Server and connected devices.

Connect to device

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Entry point-2, Select IP/ETHERNET TAB,

Enter IP Details of EcoStruxure Panel Server, Click on **NEXT** Button.

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Add devices

Find devices via: IP / ETHERNET USB / SERIAL QR CODE SCAN FILE IMPORT

Auto discovered IP devices - 0 [Couldn't find the device?](#)

CONNECTION	SERIAL DEVICE(S) ADDRESS RANGE	NAME	MAC ADDRESS
	Enter Serial Address (Modbus or ION) for all devices connected to the gateway		
☐	10.179.90.10		

Use single IP - ex. 192.168.100.1
or a range - ex. 192.168.100.1-255

NEXT

EPC shall discover EcoStruxure Panel Server Device.

Click on **Add Devices** Button to Add Panel Server into Project

EcoStruxure Power Commission

Add devices

?

×

←

Device List - 1 Found

Couldn't find the device?

Recommended devices in a project

✓	CONNECTION ⌵	DEVICE ADDRESS	CONNECTION TYPE	DEVICE TYPE ⌵	DEVICE NAME Autofill ⌵
✓	⌵	N/A	HTTPS	EcoStruxure Panel Server	EcoStruxure Panel Server-137

Devices Selected : 1

Add Devices

Click on **CONNECT TO DEVICE** Button

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SWITCHBOARD VIEW

COMMUNICATION VIEW

Switchboard (1 Device)

Gateway & Server (1 Device)

EcoStruxure Panel Server-137



EcoStruxure Panel Server-137

Product RangeEcoStruxure Panel Server

Product ModelUniversal 24VDC

Serial Number542132410079

Firmware Revision

Date/Time

CONNECT TO DEVICE

Connection: Remote Gateway Webpage

Wireless Devices

Add, edit and delete wireless devices and their configuration

Connect to device

Modbus Devices

Add Modbus devices to EcoStruxure Panel Server.

Connect to device

Configure Digital Inputs

Configure the two digital inputs in the gateway

Connect to device

Device Check Up

Check and test the device connections and view energy readings for the wireless devices connected to your EcoStruxure Panel Server.

Connect to device

Firmware

View the firmware status and upgrade if required.

Connect to device

Backup / Restore

Backup and restore the configuration of the EcoStruxure Panel Server and connected devices.

Connect to device

Connect To Schneider

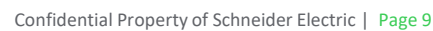
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HELP

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Click on Modbus Devices Card



POPUP option with YES or NO will be displayed to User to Add list of Modbus Devices Connected to Gateway.
Click on Yes Button to Add Modbus Devices inside Project. Click Option NO for not Adding Modbus Devices inside Project

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SWITCHBOARD VIEW

COMMUNICATION VIEW

Switchboard (1 Device)

Gateway & Server (1 Device)

EcoStruxure Panel Server-137



EcoStruxure Panel Server-137

Product RangeEcoStruxure Panel Server

Product ModelUniversal 24VDC

Serial Number542132410079

Firmware Revision001.006.000

Date/Time21/06/2023 | 00:41:00

Gateway Webpage

Password Management

Wireless Devices

Add, edit and delete wireless devices configuration

Device Check Up

Check and test the device connections and view energy readings for the wireless devices connected to your EcoStruxure Panel Server.

Connect To Schneider

Firmware

View the firmware status and upgrade if required.

Backup / Restore

Backup and restore the configuration of the EcoStruxure Panel Server and connected devices.

Configure Digital Inputs

Configure the two digital inputs in the gateway

The list of Modbus devices on the gateway does not match the list in your project.
Do you want to update the project with the device list from gateway?

NO

YES

EPC shall list all Modbus Devices along with Address of Device Connected to Gateway.

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EcoStruxure Panel Server - Universal 24VDC | 10.179.241.137

Serial devices under connected gateway(4)

NAME	DEVICE ADDRESS	DEVICE TYPE	USAGE	ACTIONS
iEM3155	20 Virtual ID :20	iEM3155	Not set	
PM2130	110 Virtual ID :110	Unknown	Not set	
Smartlink Modbus	4 Virtual ID :4	Smartlink Modbus		

ADD MORE DEVICES

HELP

All Modbus Serial device Connected to EcoStruxure Panel Server shall be listed in Switchboard View
Ex: Power meters & other Device listed in Switchboard Hierarchy.

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SWITCHBOARD VIEW

COMMUNICATION VIEW

Switchboard (5 Devices)

Gateway & Server (1 Device)

EcoStruxure Panel Server-137

Power Meter (1 Device)

iEM3155

Others (3 Devices)

Smartlink Modbus

PM2130

Smartlink Modbus#1

EcoStruxure Panel Server-137

Product Range

EcoStruxure Panel Server

Firmware Revision

001.006.000

Product Model

Universal 24VDC

Date/Time

21/06/2023 | 00:54:05

Serial Number

542132410079

DISCONNECT

Connection: Remote Gateway Webpage

Password Management

Wireless Devices

Add, edit and delete wireless devices and their configuration

Modbus Devices

Add Modbus devices to EcoStruxure Panel Server.

Configure Digital Inputs

Configure the two digital inputs in the gateway

Device Check Up

Check and test the device connections and view energy readings for the wireless devices connected to your EcoStruxure Panel Server.

Firmware

View the firmware status and upgrade if required.

Backup / Restore

Backup and restore the configuration of the EcoStruxure Panel Server and connected devices.

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NO Modbus Devices found Connected to EcoStruxure Panel Server Gateway.
Click on **Add Devices** Button

← EcoStruxure Panel Server-137

EcoStruxure Panel Server - Universal 24VDC | 10.179.241.137

NAME	DEVICE ADDRESS	DEVICE TYPE	CONNECTION TYPE
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NO MODBUS DEVICES ADDED

ADD DEVICES

Enter Modbus Serial address of Devices connected to EcoStruxure Panel Server.
Select Check box for Discover of IP devices in network
Click on **FIND DEVICES** Button

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Device Discovery

How you want to discover devices?

☒ Discover serial devices under connected gateway

Please enter serial address or range of device.

1-20

Use single address between 1-247 ex. 10. Commas for multiple addresses ex 1,4,7. Dash for a range of addresses ex. 1-10.

☒ Discover IP devices in network

☒	CONNECTION	SERIAL DEVICE(S) ADDRESS RANGE	NAME	MAC ADDRESS
		Enter Serial Address (Modbus or ION) for all devices connected to the gateway		
☒	10.179.241.36	Add between 1-255		

+

Add Manually

HELP

CANCEL

FIND DEVICES

All Modbus Serial device Connected to EcoStruxure Panel Server shall be listed along with IP devices.
Click on **ADD DEVICES** Button

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Add devices

Device List - 6 Found

Recommended devices in a project

Serial devices under connected gateway

✓	DEVICE ADDRESS	CONNECTION TYPE	DEVICE TYPE	DEVICE NAME
✓	19	Modbus TCP/IP via Gateway	PM5350	Autofill
✓	4	Modbus TCP/IP via Gateway	Smartlink Modbus	Autofill
✓	5	Modbus TCP/IP via Gateway	Smartlink Modbus	Autofill

Other Modbus TCP devices

✓	IP ADDRESS	DEVICE ADDRESS	CONNECTION TYPE	DEVICE TYPE	DEVICE NAME
✓	10.179.241.36	255	Modbus TCP/IP	Masterpact MTZ	Autofill

Add Non-discoverable Devices

Devices Selected : 6

ADD DEVICES

All Modbus Serial device Connected to EcoStruxure Panel Server shall be listed along with IP devices are added into Project.

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EcoStruxure Panel Server - Universal 24VDC | 10.179.241.137

Serial devices under connected gateway(1)

NAME	DEVICE ADDRESS	DEVICE TYPE	USAGE	ACTIONS
Smartlink Modbus	5 Virtual ID :5	Smartlink Modbus		

Other Modbus TCP devices(1)

NAME	IP ADDRESS	DEVICE ADDRESS	DEVICE TYPE	USAGE	ACTIONS
Masterpact MTZ	10.179.241.36	255	Masterpact MTZ	Not set	

ADD MORE DEVICES

All Modbus Serial device Connected to EcoStruxure Panel Server shall be listed along with IP Device in Switchboard View
Ex: Circuit Breaker & other Device listed in Switchboard Hierarchy.

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SWITCHBOARD VIEW

COMMUNICATION VIEW

Switchboard (3 Devices)

Gateway & Server (1 Device)

EcoStruxure Panel Server-137

Circuit Breaker (1 Device)

Masterpact MTZ

Others (1 Device)

Smartlink Modbus

Masterpact MTZ

Product Range
Masterpact MTZ

Application Type
Distribution

Number Of Poles
3-pole

IO 1
Yes

Environmental Status

Product Model
Micrologic 5.0 Xi - No Wireless

Protection Type
LSI

Standard
IEC

IO 2
Yes

Date/Time

Serial Number
00003N2042310118

Rated Current
400A

IFE
Yes

Breaker Accessories
MX1,XF,MN,MCH

CONNECT TO DEVICE

Connection:

Direct

Remote

Configure

Setup protection, alarms, IO's and Communication parameters of the device

Device Check Up

Perform Open, Close and Trip operations on device, view device status, measurements, device histories and logs

Firmware

View the System firmware compatibility status and upgrade if needed.

Connect to device

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Thank you