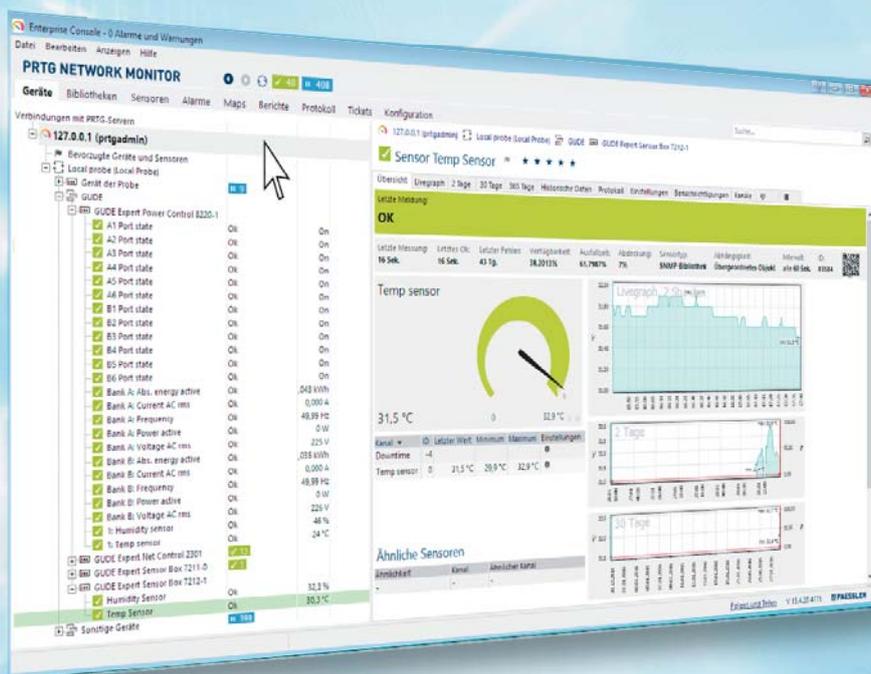


Quick Start Guide



PRTG Installation for GUDE Appliances



PRTG Installation for GUDE Appliances



Dear Customer,

Thanks for choosing a GUDE product. All of our products are developed and produced to meet the highest quality standards. They allow the optimization and expansion of professionally operated IT infrastructures with a special focus on industry-specific issues such as energy efficiency, performance and reliability.

In this context, Paessler's *PRTG Network Monitor Software* allows you to control our products in a single application: a clear and concise graphical user interface helps you to keep track of your network performance. In this way you have all relevant server and rack KPIs in view. This guide explains how to integrate our equipment into *PRTG Network Monitor*. For an overview of PRTG's functionality and for more detailed information, please visit www.paessler.com.

Please note that purchasing GUDE products entitles you to a discount on a PRTG license, which you can purchase from us together with your GUDE device. Your PRTG license will include 12 months of technical support from Paessler helping you out with any questions regarding the software. For any questions regarding your GUDE device, please contact our service team for assistance.

Your GUDE team

1. Software installation

To install the PRTG software you need a download link, which we will provide you with. This link is for a 30-day trial version, allowing you to monitor an unlimited number of sensors during the trial period. Please use the provided link rather than downloading a trial version directly from Paessler's website, so that we can provide you with a licensed version at an attractive price after the trial. When you open the link, you will see the following screen (fig. 1):

The software download will begin automatically once you have completed the form. Unzip the downloaded file and start the installer *PRTG Network Monitor xx.x.x.xxxx Setup*. Follow the directions on the screen. If you purchased a full version from us, please enter the name and license key you have received.

Fig. 1: Download of PRTG Software

For getting started easily with PRTG software and our products, we have created library files. Please send us an e-mail and we will provide you with a copy of the libraries. After installation of PRTG, please copy these files into the directories shown in table 1.

File extension	Target directory
.oidlib	C:\Program\PRTG Network Monitor\snmplibs
.odt	C:\Program\PRTG Network Monitor\devicetemplates
.ovl	C:\Program\PRTG Network Monitor\lookups\custom

Tab. 1: Target directory for library files

2. Login

Start *PRTG Network Monitor* and you will see the following web screen for login (fig. 2):

Fig. 2: Login to PRTG software

By selecting *Default Login*, you will be directed to the PRTG start screen. Select menu item *Devices / All* (fig. 3).

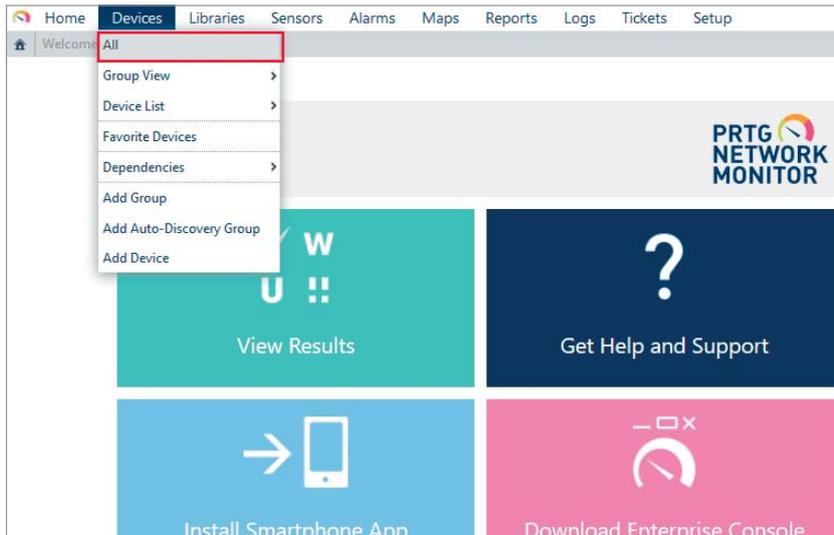


Fig. 3: Start screen of PRTG software

The following screen will appear (fig. 4):

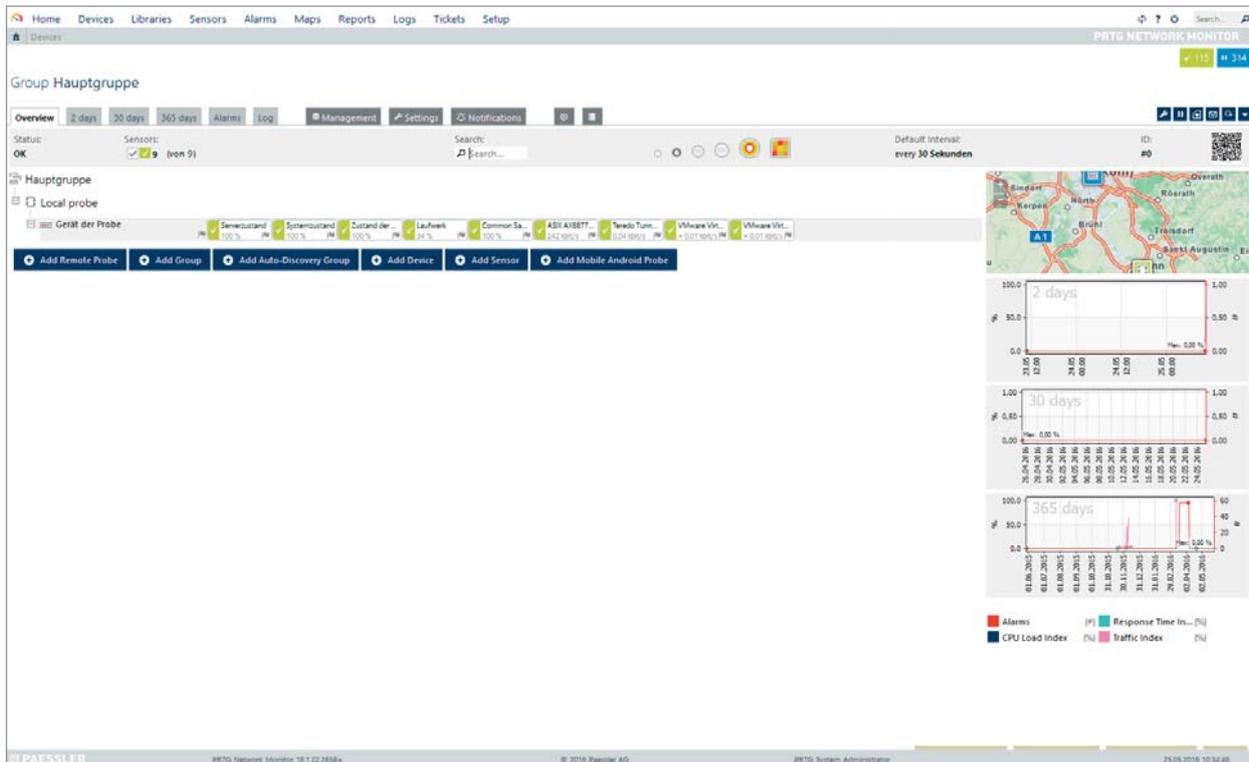


Fig. 4: Device view

3. Adding devices and sensors

Before adding GUDE appliances to PRTG Monitoring Software, please make sure that the options *SNMP get* and *SNMP set* are activated in the web interface of your GUDE device (fig. 5).



Fig. 5: Activating SNMP in device's web interface

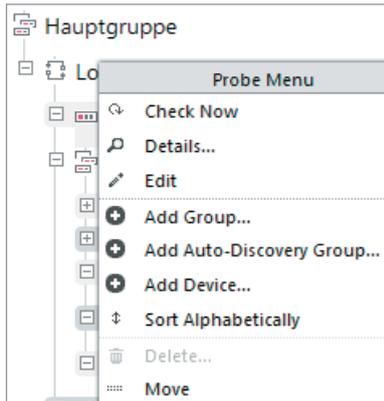


Fig. 6: Adding groups in the context menu

In the tree view, select *Local probe* on root level and "Add Group..." by a right-click in the context menu (fig. 6). You will now be able to add a new GUDE device to the device tree.

Select the just created group and choose "Add Device..." by a right-click in the context menu. Give the device a unique name in your network, e.g. "Expert Power Control 8225-1". Enter the IP address of this device in the field *IPv4 Address/DNS Name*. You can leave the field *Tags* empty.

Under *Sensor Management*, select the option "Automatic sensor creation using specific device template(s)". If you purchased another GUDE device, you will be able to find the corresponding device template by using the search bar on the right (fig. 7).

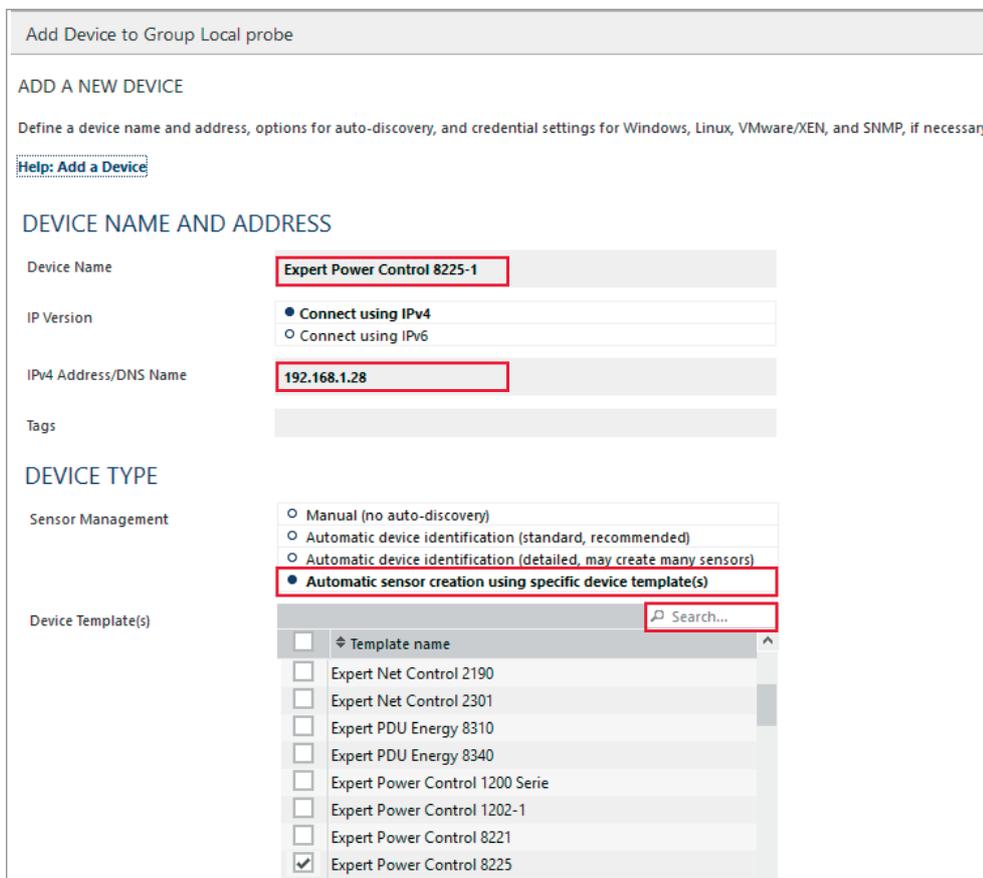


Fig. 7: Adding a device

After about a minute, the connected sensors will appear on the device page. This overview will look similar to the screenshot in figure 8.

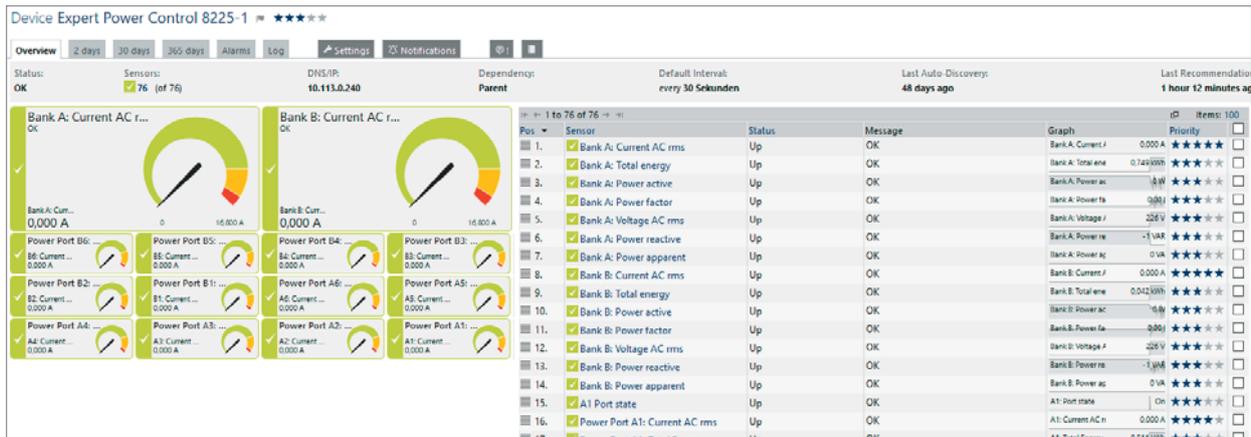


Fig. 8: Overview of sensors using the example of *Expert Power Control 8225-1*

4. Adding sensors manually

If you like to add further sensors manually, return to your new GUDE device, right-click and select "Add Sensor..." in the context menu. Then select "SNMP" under *Technology Used* and choose „SNMP Library ... Add This" in the resulting list (fig. 9).

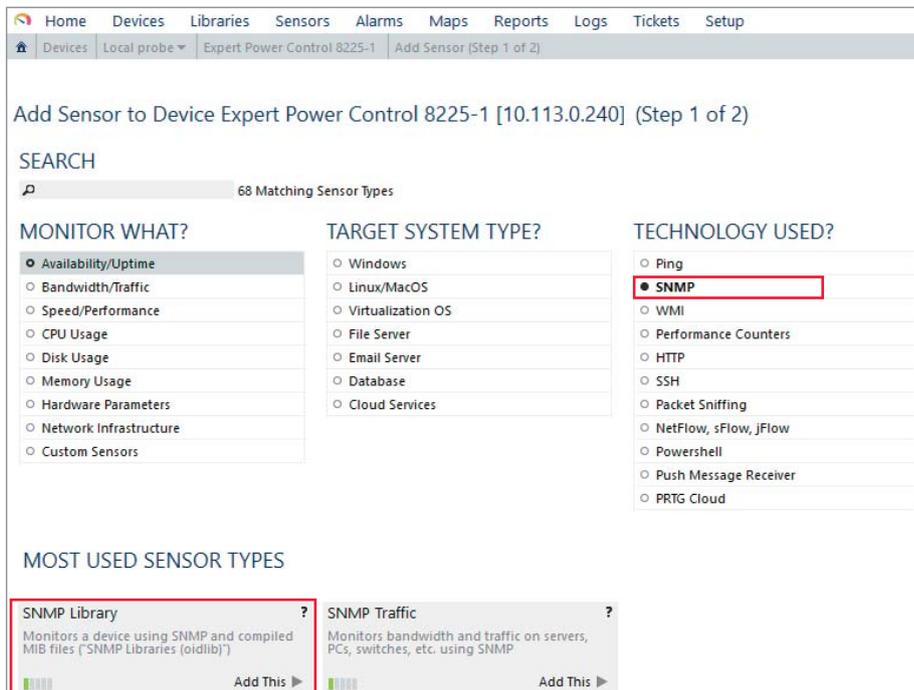


Fig. 9: Adding sensors

This will open a new window. Select „Gude.oidlib" and click *Ok*. If this file does not appear in the list, please make sure that you have copied the file „.oidlib" to the correct directory (as shown in table 1 in chapter 1).

The corresponding GUDE device will be automatically detected and its parameters will be displayed. As an example, see the installed *Expert Power Control 8225* in figure 9. To add a sensor to monitor the phase angle per bank, activate the box in the first column and click on *Continue* (fig. 10).

Library-OIDs			
	MIB Module	Category	Name
<input type="checkbox"/>	GUDEADS-EPC822X-MIB	epc822xpower: 1	epc822xpangle
<input type="checkbox"/>	GUDEADS-EPC822X-MIB	epc822xpower: 2	epc822xpangle

Fig. 10: List of library OIDs

The page will update to the following view (fig. 11):

Pos	Sensor	Status	Message	Graph	Priority
77.	epc822xpower: 1/epc822xpangle	Unknown	No data yet	epc822xpangle No data	★★★★☆
78.	epc822xpower: 2/epc822xpangle	Unknown	No data yet	epc822xpangle No data	★★★★☆

Fig. 11: Polling sensors

After around one minute, the sensors light up green and display their values (fig. 12):

Pos	Sensor	Status	Message	Graph	Priority
77.	epc822xpower: 1/epc822xpangle	Up	OK	epc822xpangle -905 #	★★★★☆
78.	epc822xpower: 2/epc822xpangle	Up	OK	epc822xpangle -530 #	★★★★☆

Fig. 12: Sensors in state *Ok*

Right-click on the sensor and select *Edit / Settings* in order to configure name, unit string and division of the sensor (fig. 13).

Settings Channel Settings

BASIC SENSOR SETTINGS

Sensor Name:

Parent Tags:

Tags:

Priority: ★★★★★

SNMP LIBRARY SPECIFIC

Selected Interface: GUDEADS-EPC822X-MIB/epc822xpower: 1/epc822xpangle

Unit String:

Multiplication:

Division:

If Value Changes:

- Ignore changes
- Trigger 'change' notification

SENSOR DISPLAY

Primary Channel:

Chart Type:

- Show channels independently (default)
- Stack channels on top of each other

Fig.13: Sensor configuration

Under *Channel Settings* edit the channel configuration to ensure that each channel has the correct graph unit. For example, select the channel *epc822xpangle* and enter the desired number of decimal places (fig. 14).



Fig. 14: Channel settings for sensors

In this window, you can also edit additional graph parameters such as scaling of the graph axis or alert thresholds.

5. Deleting sensors

If your device template should show too many sensors for your use case, you can delete single sensors: Open the sensor overview of your GUDE device. Then choose the sensors you want to delete by activating the check box at the end of the row. Now you can delete the selected sensors by clicking on the trash bin symbol in the table header (s. fig. 15).

Pos	Sensor	Status	Message	Graph	Priority	
1.	✓ Bank A: Current AC rms	Up	OK	Bank A: Current / 0.002 A	★★★★★	<input checked="" type="checkbox"/>
2.	✓ Bank A: Total energy	Up	OK	Bank A: Total ene 99.244 kWh	★★★★★	<input type="checkbox"/>
3.	✓ Bank A: Power active	Up	OK	Bank A: Power ac -1 W	★★★★★	<input type="checkbox"/>
4.	✓ Bank A: Power factor	Up	OK	Bank A: Power fa 0.00 J	★★★★★	<input type="checkbox"/>
5.	✓ Bank A: Voltage AC rms	Up	OK	Bank A: Voltage / 206 V	★★★★★	<input type="checkbox"/>

Fig. 15: Deleting sensors

6. Saving modified device templates

By deleting sensors, the device template of your appliance is modified. Save this template in order to be able to use it for other GUDE devices later on. For this purpose open the device overview of PRTG software. Choose the command *Create Device Template* in the context menu that opens after a right click on the device name (s. fig. 16).

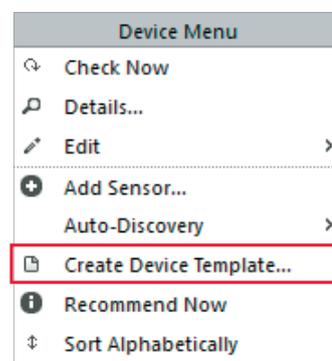


Fig. 16: Creating device templates

Create Device Template for Expert PDU Energy 8310 Lang

CREATING DEVICE TEMPLATES

To create a template that you can use for auto-discovery you have to provide a file name and a clear text name. PRTG uses the clear name in the select box for device templates in the auto-discovery assistant. A template contains an entry for every sensor of the selected device. This entry contains all relevant sensor settings except settings which refer to other objects like schedules, triggers, access rights. These settings will revert to 'inherited' when you create a sensor via a template.

Note: There are sensor types that you cannot save into a device template. For a list of these sensor types, see [PRTG Manual: Create Device Template](#)

CHOOSE TEMPLATE NAME

Enter a name for the template file. PRTG stores it in the 'devicetemplate' subfolder of your PRTG installation. You can omit the file name extension, device templates always have the extension .odt automatically.

File Name

Enter a meaningful name for the device template to identify it later when you want to use this template for auto-discovery.

Template Name

You can exclude sensors from the template by setting the check mark in the list below.

Note: Sensors that cannot be saved into device templates do not appear in this list.

Note: Sensor types that dynamically scan for available monitoring items when you add the sensor to a device do not appear in this list. PRTG includes these sensors automatically into the template if they support template functionality and you cannot exclude them.

Exclude Sensors
No data available in table

Next you should assign unique names for the file and the device template in order to be able to find it quickly at a later date. The given example uses the description „GUDE Expert Power Control 8225-1 modified“. Click on *Continue* to save the device template in PRTG software (s. fig. 17).

Fig. 17: Assigning names for device templates



Gude Analog- und Digitalsysteme GmbH
Eintrachtstrasse 113
50668 Koeln

T +49.221.912 90 97
F +49.221.912 90 98

mail@gude.info
www.gude.info
shop.gude.info

Good. Great. GUDE.