



SIEMENS SENTRON Low Voltage Controls and Power Distribution Software User Guide

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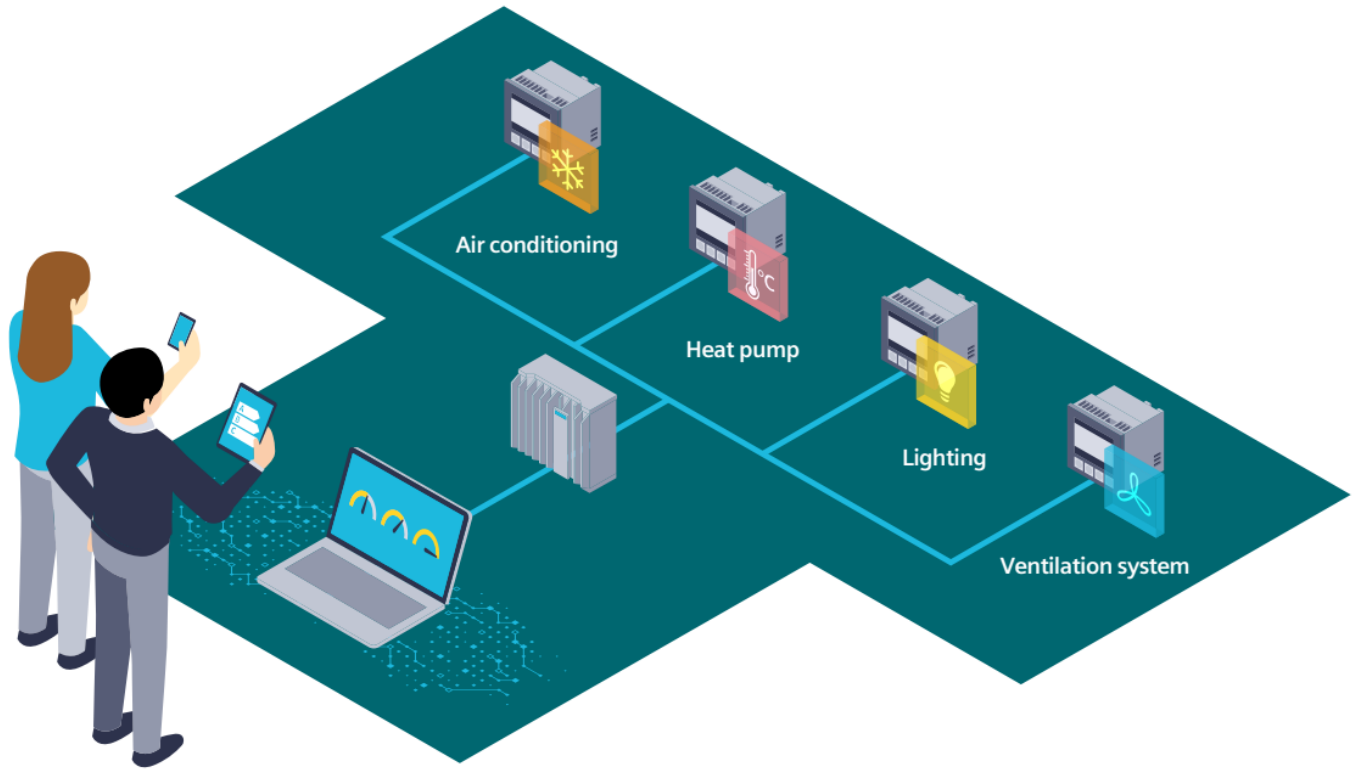
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SENTRON digital

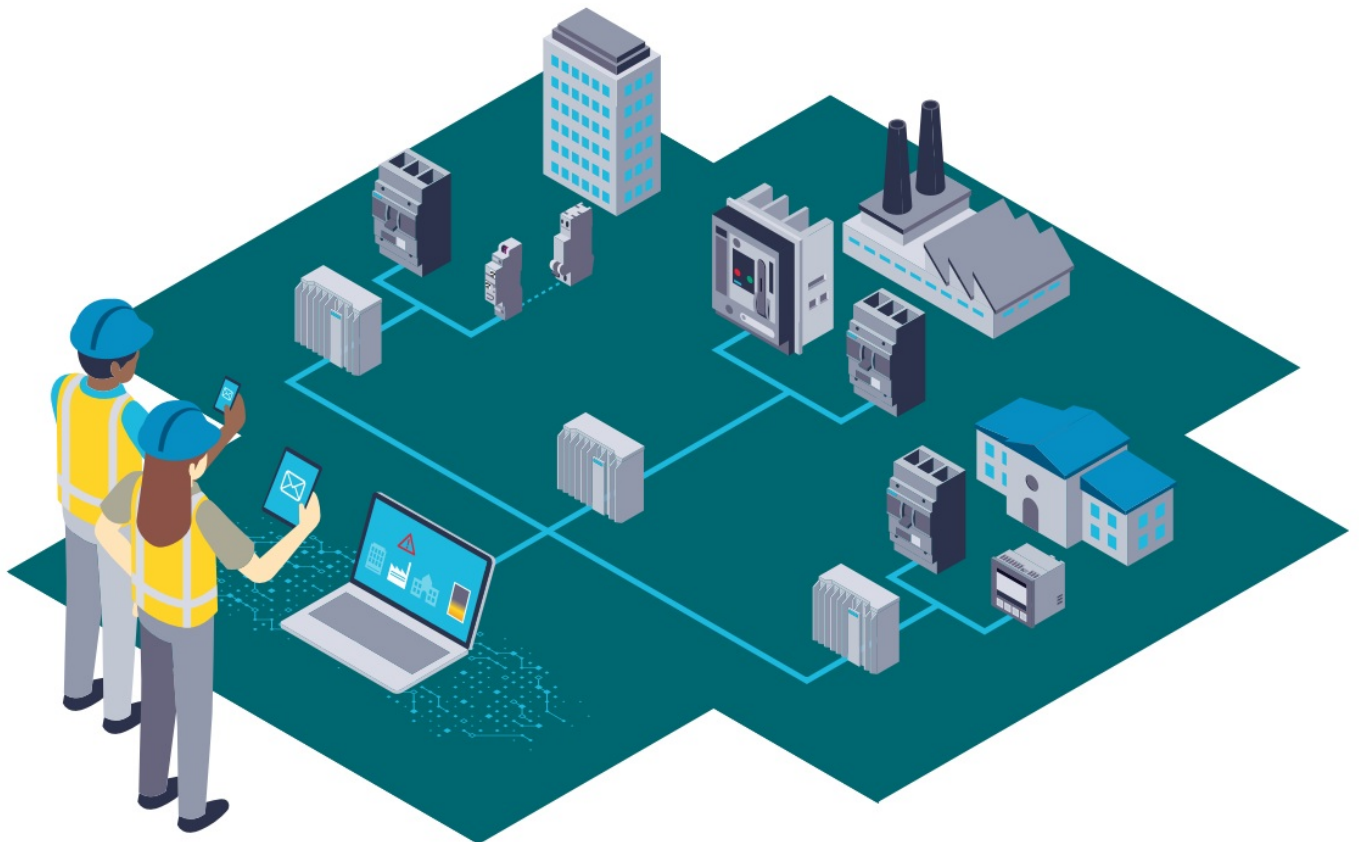
One solution – many applications

Ready for energy management according to ISO 50001 and ISO 50003: transparency in energy consumption,

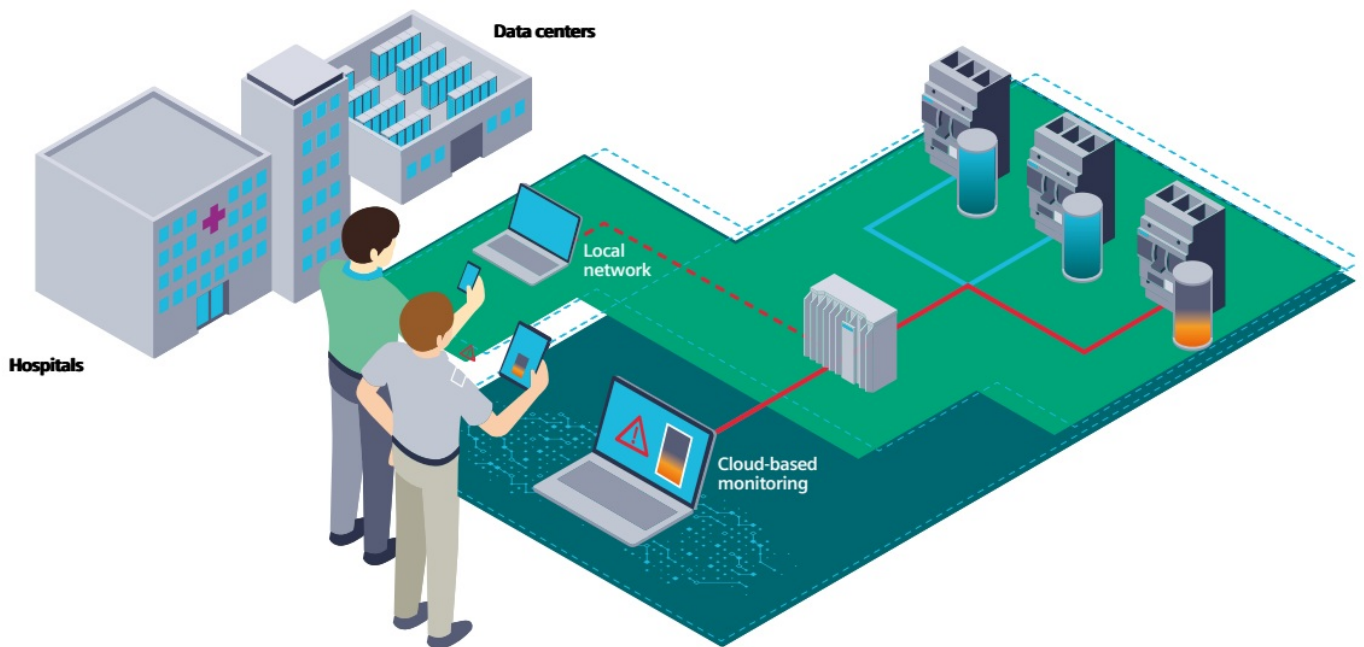
benchmarking with KPIs and load profile analysis for optimized energy efficiency



Fast fault localization on campus: remote access for status information and notification function for efficient campus management



Efficient facility management from critical infrastructures to reduce downtimes: condition monitoring of devices for an optimized maintenance planning


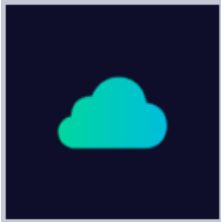





Cyber security: Secure communication – with the SENTRON product portfolio











With the holistic protection approach „Defense in Depth“ from Siemens, you can ensure all-round cybersecure power distribution in your infrastructure. With multilayered security concepts – developed by the cybersecurity experts product CERT (Computer Emergency Response Team) – Siemens provides optimal protection and advice for digital processes and solutions with products from the Sentron portfolio.

Learn more about this at www.siemens.com/cybersecurity

Features

Application	SENTRON powermind Standard / Co-Created Apps App for visualisation, analysis and storage of data from your power distribution system		Standard / Co-Created Apps	
Cloud environment	MindSphere or other cloud systems via MQTT			

<p>SENTRON digital solutions for connectivity and on-premise monitoring</p>	<p>7KN Powercenter 3000 • Central interface into the switchboard • Visualisation and storage of measured data and status information • IoT data platform for an easy entry into digitalization</p>		<p>SENTRON powermanager • Power monitoring software for analyzing related data • Neatly arranged dashboard and preconfigured reports • Supports an operational energy management in accordance with ISO 50001</p>	
<p>SENTRON digital solutions for configuration, parameterization and easy visualization</p>	<p>SENTRON powerconfig • Configuration software for commissioning • Parameterize, control, supervise</p>		<p>SENTRON powerconfig mobile • Easy visualization of measurement parameters and condition data • Maintenance support for SENTRON circuit breakers and measuring devices</p>	
<p>Selection from the SENTRON portfolio</p>				
<p>All devices are able to gather the following data: U, I, P, f, λ</p>				
<p>On-site visualisation Webserver</p>				

DI / DO	Protection devices				
	SSV6 COM SSL6 COM 7KN Powercenter 1000	3VA2 (ETU8)	3WA	3WL10 / 3VA27	3WL
Integrated communication					
	SENTRON powerconfig mobile via 7KN Powercenter 1000 - - Wireless	DSP800 - EFB300 (optional)	Display - ETU600 (standard) IOM230 (optional)	DSP800 - 1 2	DSP800 - 1 (optional) 1 (optional)
Modules for communication	<ul style="list-style-type: none"> • Modbus TCP/Bluetooth via 7KN Powercenter 1000 • 7KN Powercenter 1000: <ul style="list-style-type: none"> • Wireless data acquisition from circuit protection devices with measurement and communication function • Connection of up to 24 devices • Long-term storage of selected data up to 30 days • Integrated Bluetooth and Modbus TCP interface 	<ul style="list-style-type: none"> • COM060: 3VA-Line für COM100/800 • COM100/800: Modbus TCP (Integrated) • COM100/800 with 7KM RS485 module: Modbus RTU • COM100/800 with 7KM Switched Ethernet module: PROFINET • COM100/800 with 7KM PROFIBUS DP module: PROFIBUS • COM100: 1 circuit breaker • COM800: 8 circuit breaker 	<ul style="list-style-type: none"> • COM190: PROFINET, Modbus TCP 	<ul style="list-style-type: none"> • COM043: Modbus TCP • COM042: Modbus RTU • COM041: PROFINET • COM040: PROFIBUS 	<ul style="list-style-type: none"> • COM35: PROFINET, Modbus TCP • COM16: Modbus RTU • COM15: PROFIBUS
	Measuring devices				
	7KT PAC1600 (MID)	SEM3	7KM PAC2200 (MID/CLP) 7KM PAC3200T	7KM PAC1020 7KM PAC3120	7KM PAC3220 7KM PAC4200
					
	Display -	- x	7KM PAC2200: Display x 7KM PAC3200T: DSP800 x	Display -	Display x
	1 2	2 1	1 1	7KM PAC1020: 1 1 7KM PAC3120: 2 2	2 2
	Modbus RTU, M-Bus, S0	Modbus TCP, Modbus RTU, BACnet IP, SNMP	<ul style="list-style-type: none"> • 7KM PAC2200: Modbus TCP, Modbus RTU, M-Bus • 7KM PAC3200T: Modbus TCP 	Modbus RTU	Modbus TCP
	-	-	-	<ul style="list-style-type: none"> • 7KM RS485 Modul: Modbus RTU • 7KM Switched Ethernet Modul: PROFINET • 7KM PROFIBUS DP Modul: Profibus 	-

Protection devices

5SV6 COM
5SL6 COM
7KN Powercenter 1000

3VA2 (ETU8)

3WA

3WL10 / 3VA27

3WL



SENTRON powerconfig
mobile via
7KN Powercenter 1000

DSP800 | -

Display | -

DSP800 | -

DSP800 | -

- | -

EFB300 (optional)

ETU600 (standard)
IOM230 (optional)

1 | 2

1 (optional) |
1 (optional)

Wireless

-

-

-

-

- Modbus TCP/Bluetooth via 7KN Powercenter 1000
- 7KN Powercenter 1000:
 - Wireless data acquisition from circuit protection devices with measurement and communication function
 - Connection of up to 24 devices
 - Long-term storage of selected data up to 30 days
 - Integrated Bluetooth and Modbus TCP interface

- COM060: 3VA-Line für COM100/800
- COM100/800: Modbus TCP (Integrated)
- COM100/800 with 7KM RS485 module: Modbus RTU
- COM100/800 with 7KM Switched Ethernet module: PROFINET
- COM100/800 with 7KM PROFIBUS DP module: PROFIBUS
- COM100: 1 circuit breaker
- COM800: 8 circuit breaker

- COM190: PROFINET, Modbus TCP

- COM043: Modbus TCP
- COM042: Modbus RTU
- COM041: PROFINET
- COM040: PROFIBUS

- COM35: PROFINET, Modbus TCP
- COM16: Modbus RTU
- COM15: PROFIBUS

Measuring devices

7KT PAC1600 (MID)

SEM3

7KM PAC2200 (MID/CLP)
7KM PAC3200T

7KM PAC1020
7KM PAC3120

7KM PAC3220
7KM PAC4200

7KM PAC5200



Display | -

- | x

7KM PAC2200: Display | x
7KM PAC3200T: DSP800 | x

Display | -

Display | x

Display | x

1 | 2

2 | 1

1 | 1

7KM PAC1020: 1 | 1
7KM PAC3120: 2 | 2

2 | 2

0 | 2

Modbus RTU, M-Bus, S0

Modbus TCP,
Modbus RTU,
BACnet IP, SNMP

- 7KM PAC2200: Modbus TCP, Modbus RTU, M-Bus
- 7KM PAC3200T: Modbus TCP

Modbus RTU

Modbus TCP

Modbus TCP

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- 7KM RS485 Modul: Modbus RTU
- 7KM Switched Ethernet Modul: PROFINET
- 7KM PROFIBUS DP Modul: Profibus

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Customer Service

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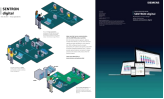
Subject to changes and errors.

The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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Documents / Resources

	<p>SIEMENS SENTRON Low Voltage Controls and Power Distribution Software [pdf] User Guide</p> <p>SENTRON, SENTRON Low Voltage Controls and Power Distribution Software, Low Voltage Controls and Power Distribution Software, Controls and Power Distribution Software, Power Distribution Software, Software</p>
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