

# SICAM A8000 Automation solutions – Wherever energy flows

[siemens.com/sicam-a8000](https://www.siemens.com/sicam-a8000)

## One for all SICAM A8000 Series



**The design of the SICAM A8000 equipment series has been specifically tailored to meet market requirements and customer needs.**

- From simple to complex, always adapted in line with the actual requirements of the area of application
- Fulfills highest cybersecurity requirements
- Use of standards ensures secure investment
- Reduced stock inventory thanks to modular platform
- Usable along the entire energy supply chain and the critical infrastructure

## SICAM A8000 Series

All requirements combined in a single platform



Rough ambient conditions



Automation



Long product lifecycle



Cybersecurity



Space-saving design



High electric strength



Integrated communication



Scalability

# A strong team

## SICAM A8000 - equipped for any task

### CP-8000



Processor with integrated power supply and display

### CP-8021



Processor with external power supply

### CP-8022



Processor + GPRS with external power supply

### I/O modules



Expansion modules combinable as needed

# A strong team

## SICAM A8000 - equipped for any task

### CI modules



Ethernet communication module



### CP-8050



Modular processor with external power supply (optional: redundant)



### CI modules



Detachable expansion module



### I/O modules



I/O expansion modules combinable as needed

# The entire family at a glance

## SICAM A8000 - power supply units and processor modules



### SICAM CP-8000

**Integrated power supply  
DC 24 V**

- 12 DI, 8 DO integrated, max. 116 I/O (max. 6 expansion modules)
- Maximum of 4 interfaces
- Integrated function keys and display



### SICAM CP-8021

**PS-8620 DC 18–78 V, 12 W  
PS-8622 DC 82.5–286 V, 12 W**

- Maximum of 128 I/O (max. 8 expansion modules)
- Maximum of 4 interfaces



### SICAM CP-8022

**PS-8620 DC 18–78 V, 12 W  
PS-8622 DC 82.5–286 V, 12 W**

- Maximum of 128 I/O (max. 8 expansion modules)
- Maximum of 5 interfaces
- Integrated GPRS modem

## The entire family at a glance

SICAM A8000 - power supply units and processor modules (Linux based))



### SICAM CP-8031

new!

**PS-8620** DC 18–78 V, 12 W  
**PS-8622** DC 82.5–286 V, 12 W  
**PS-8640** DC 18–78 V, 45 W  
**PS-8642** DC 82.5–286 V, AC 230 V, DC 24 V output

- 1 local I/O line (max. 8 expansion modules)
- 4 interfaces (2x Ethernet, 2x serial)



### SICAM CP-8050 (optional: redundant)

**PS-8620** DC 18–78 V, 12 W  
**PS-8622** DC 82.5–286 V, 12 W  
**PS-8640** DC 18–78 V, 45 W  
**PS-8642** DC 82.5–286 V, AC 230 V, DC 24 V output

- max. 16 I/O lines  
(max. 8 expansion modules / line)
- max. 34 interfaces (modular)

## The entire family at a glance

### SICAM A8000 CP-8021 / 8031 / 8050 (comparison)

Feature	CP-8021	CP-8031 	CP-8050
Interfaces Ethernet/serial on board	2/2	2/2	2/2
Interfaces modular	-	-	30
Number of protocols	4	4	24 (*)
Several IP addresses on one Ethernet interface	-	•	•
CI-8551/20/22 support	-	-	•
CI-853x support	-	-	•
Number of I/O modules	8	8	16 x 8
Supported I/O modules	all, except not AI-8330/40, DO-3221/30	all, incl. AI-8330/40, DO-8221/30	
FCM parameterization via Modbus	•	○ (in preparation)	
SICAM Web functions	Data point test Diagnosis Online engineering	Data point test Diagnosis Dashboard (monitor & control direction), integrated monitoring, simulate & tracing	
Cybersecurity	Integrated Crypto-Chip, IPsec-encryption, secure https-protocol, TLS-encryption, Password protection to SICAM TOOLBOX II, BDEW White Paper compliant	Same as CP-8021, plus integrated and configurable firewall, firmware signature, security logbook, network authentication, VLAN support, automatic certificate exchange based on EST with SICAM Grid Pass, configurable system functions, Role Based Access Control	
CFC resources	1x 128kB	1x 2MB	5x 2MB (*)
Max. number of data points	20.000	20.000	400.000
Max. number of stations/IEDs	~ 50	50	400
SIAPP support	-	1 (*)	3 (*)
Redundancy	-	-	• (*)
I/O racks	-	-	• (*)

(\*)...License necessary

# The entire family at a glance

SICAM A8000 - Communication modules, and remotely installed expansion module



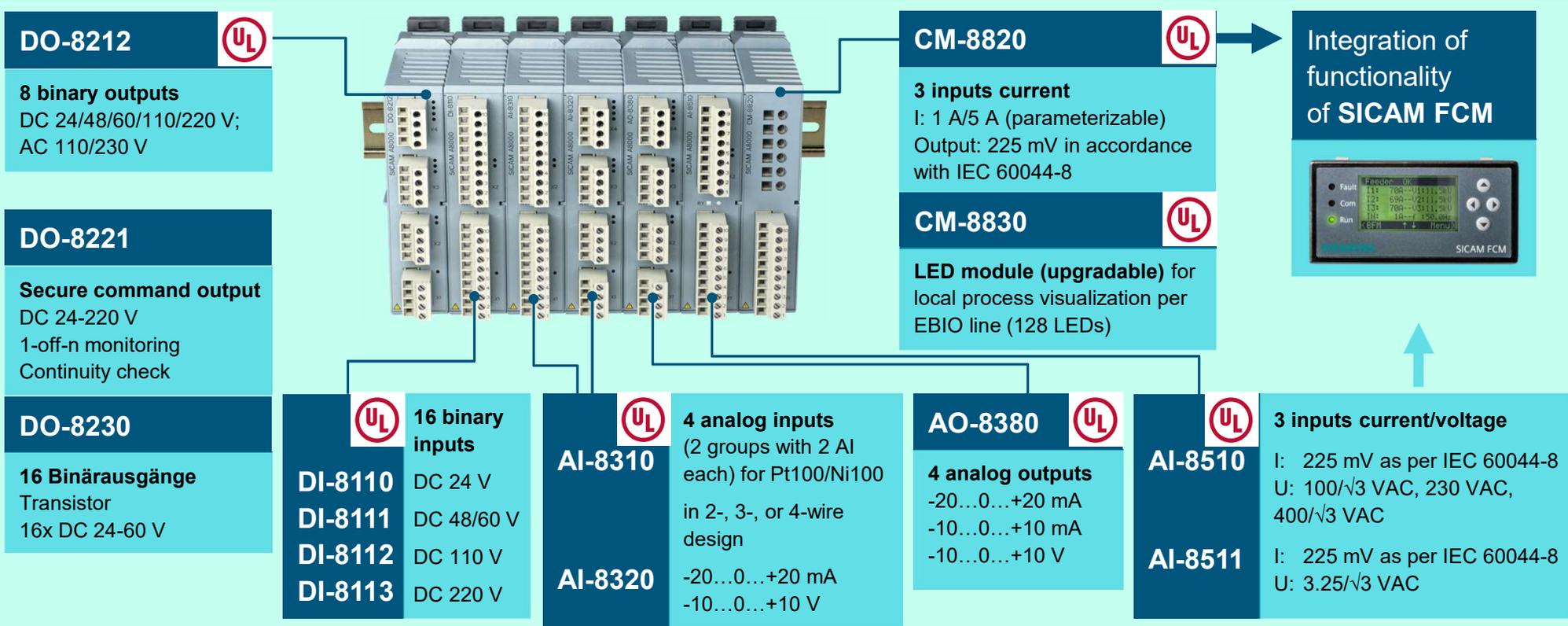
**CI-8551**  
Serial communication module  
(3x RJ45, 2x 8-pin clamp)

**CI-8520 / 22**  
**CI-8520** Ethernet communication module, 5x RJ45  
**CI-8522** Ethernet Communication module, 3x electric RJ45, 2x SFP *new!*

**CI-8530 / 32**    **CI-8531 / 33**  
**CI-8530** I/O remote interface module, electrical DC 24–60 V  
**CI-8532** I/O remote interface module, electrical DC 110–220 V  
**CI-8531** I/O remote interface module, optical DC 24–60 V  
**CI-8533** I/O remote interface module, optical DC 110–220 V *new!*

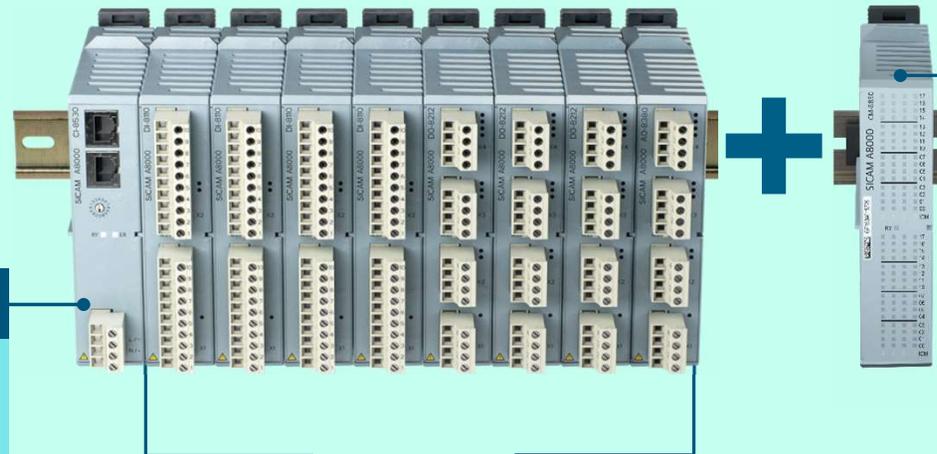
# The entire family at a glance

## SICAM A8000 - expansion modules



## The SICAM A8000 I/O family grows up

### SICAM A8000 CM-8830 I/O LED module



#### Remote I/O Adapter

Up to 16 remote I/O rows connected to CP-8050 with:  
 CI-8530: DC 24–60 V  
 CI-8532: DC 110–220 V

#### SICAM I/O row

Up to 8 I/O modules  
 DI / DO / AI / AO

#### CM-8830

##### SICAM I/O LED module

- 128 Process LEDs for 8 I/O Modules
- Can be added subsequently to existing I/O rows (FW Update)
- Direct FW support - No dedicated engineering necessary
- Position is free to choose right from PS-86xx/CI-853x
- Power consumption < 0,6 W
- Process visualization after configuration of I/O modules
- Error LEDs per Module show process errors after engineering

## Module by module

SICAM A8000 - precisely tailored to the application



### Space-saving dimensioning with slim CP module

- Grid connection for solar and wind farms
- Control and monitoring of electricity and gas distribution stations
- Simple gateway function

### Everything in view with the compact solution on site

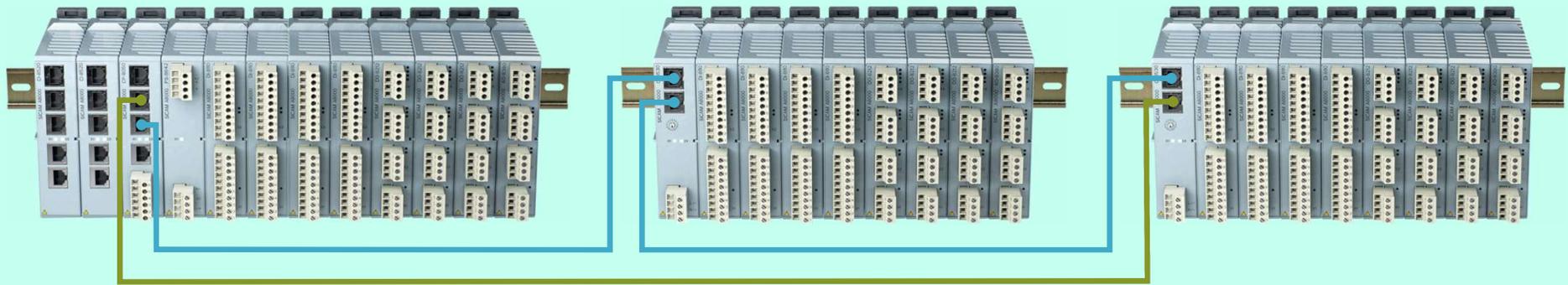
- Distribution grid automation and micro-grids
- Optimized for use in MV switchgear
- Load-flow control

### With additional interfaces for complex tasks

- Power distribution and transmission, micro-grids
- Railway power supply
- Communication gateway

## Module by module

SICAM A8000 - precisely tailored to the application



Ready to meet all challenges thanks to a modular system concept,  
powerful CPU, and an integrated firewall

- **Daisy Chain & Ring**
- Max. 16 I/O lines
- Up to 100 m via standard Ethernet
- More than 100 m:
  - electrical/optical converters
  - “repeater function” of the CI-8530/32

- Small data nodes
- Communications gateway
- Pipelines
- Hydroelectric power plants

- Railway power supply
- Switchgear and transformer substations
- Automation of widely distributed networks

## Redundancies

### SICAM A8000 – additional features with CP-8050

#### Interface extension modules

Up to 6 modules possible:  
2x CI-8520/22 or  
6x CI-8551 or  
1x CI-8520/22 and 5x CI-8551

#### PRP

In conjunction with CI-852x:  
Parallel-Redundancy-  
Protocol acc. to IEC 62439

#### HSR

In conjunction with CI-8520/22:  
High Availability Seamless  
Redundancy

#### RSTP & Line Mode

In conjunction with CI-8520/22:  
Rapid-Spanning-Tree Protocol

#### Firmware Extension

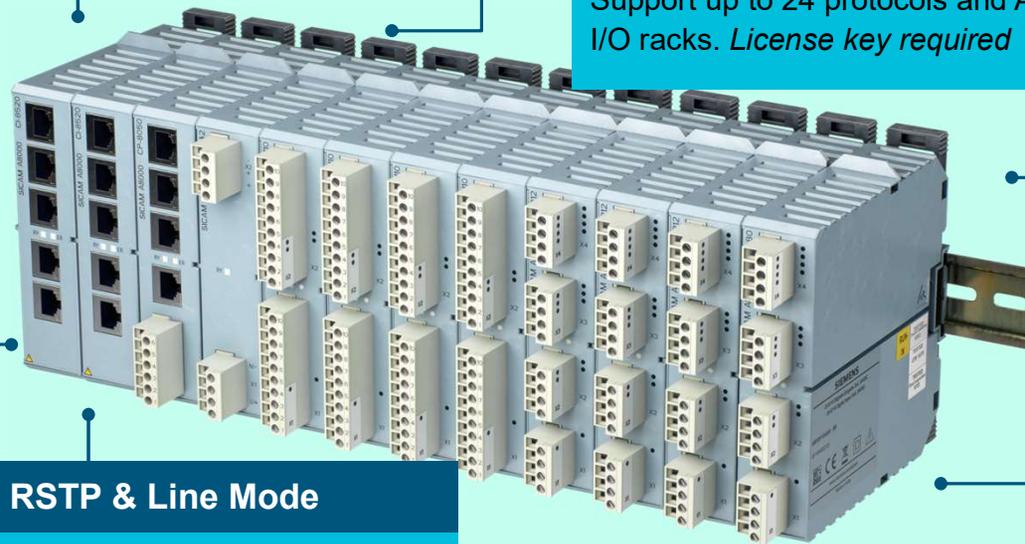
Support up to 24 protocols and A8000  
I/O racks. *License key required*

#### Device Redundancy

Device redundancy with  
singular I/O modules and  
integrated voting.  
*License key required*

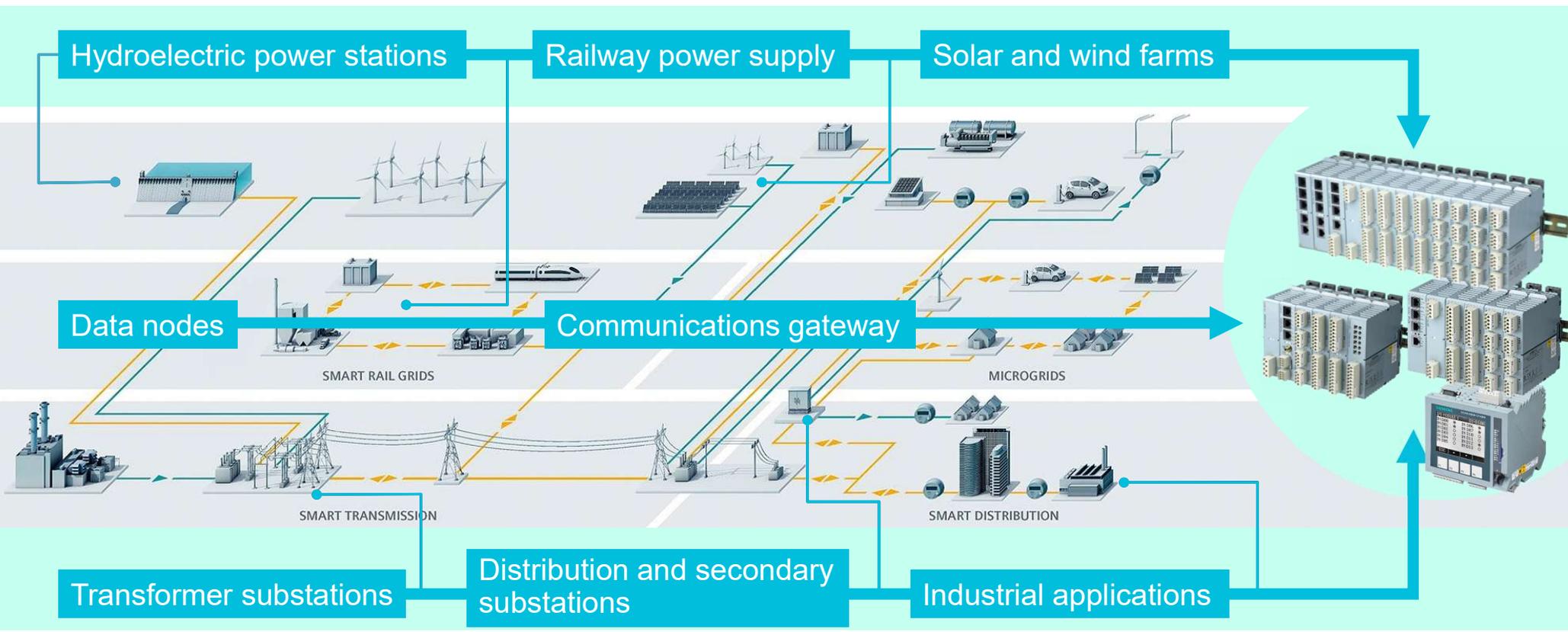
#### Coupling SICAM TM I/O modules

CM-6812 for coupling existing  
I/O modules to SICAM A8000  
CP-8050



# Wherever energy flows

SICAM A8000 - universal platform allows versatile use



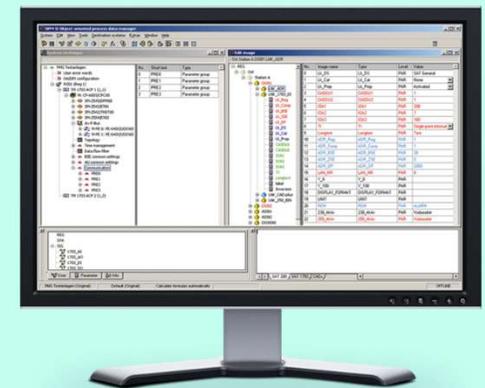
# Convenient engineering

SICAM A8000 - parameterization, commissioning, and operation

with SICAM Web

with SICAM Device Manager

with SICAM TOOLBOX II



## SICAM Web

Parameterization made easy – with the online tool for SICAM A8000

### Convenient functions

- Reliable and secure remote maintenance via https
- Cleartext diagnostics
- Event and alarm lists
- Supports simulation and testing

### Technical highlights

- Plug & play functionality
- Simple and intuitive user interface
- Multilingual support
- Universal use on tablets and desktop PCs
- Operable on all standard browsers
- Optimized for small bandwidth



### Advantages

- Access to all parameters 24/7
- One-time assignment of address
- No limitation of applicability
- Maximized user friendliness

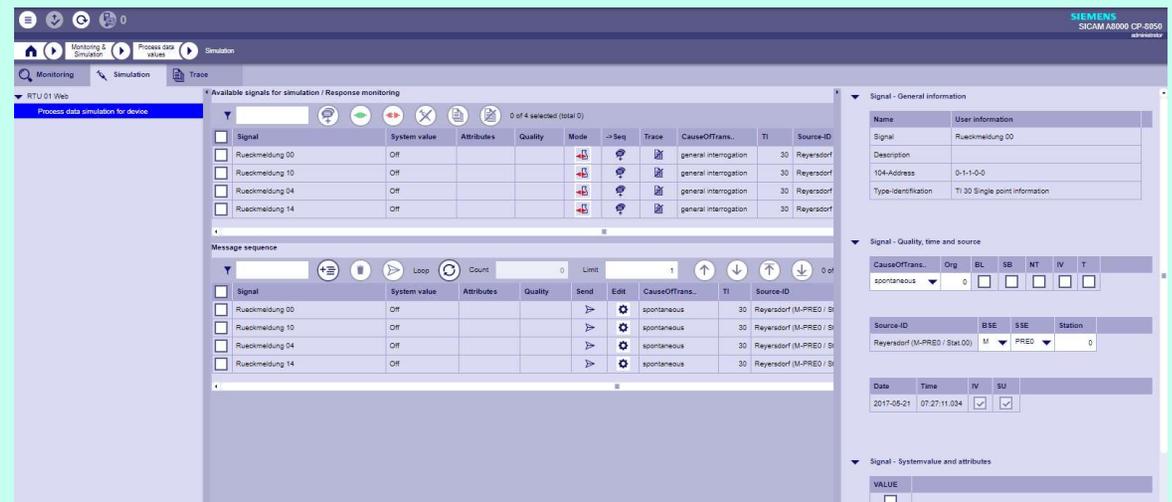
# SICAM A8000 Series

## CP-8031, CP-8050 SICAM Web News



### New SICAM Web functions for CP-8031/50

- System and firmware overview
- Wiring test of the I/O modules
- I/O datapoint simulation
- Monitoring, simulation & tracing of signals
- Integrated Wireshark functionality
- Protocol specific Websites



### Why SICAM Web?

- Access via https directly to the device with role-based access
- Simulation functions only with appropriate authorization
- Diagnostic entry is set as soon as signals are disconnected from the process

## SICAM Web for CP-8050, CP-8031

### Customized dashboard

#### Customized dashboards

- Integration of individual SVG graphics
- Design of the SVG graphics with OpenSource Software Inkscape
- Structuring of the graphics using tile levels
- LED symbols for alarm visualization
- Integrated system functions (command, operating bar, key switch)
- Role-based SICAM Web access via https
- No additional engineering tool required



SICAM CP-8050



SICAM CP-8031

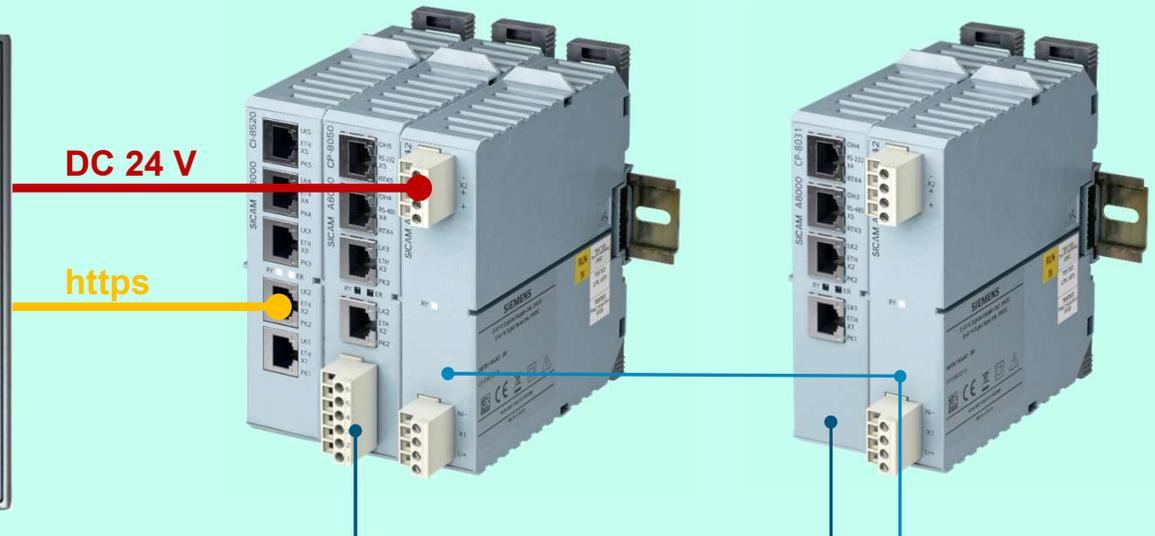
# SICAM Web for CP-8050, CP-8031

## Customized dashboard



### SIMATIC Touchpanel

- IWP 700 7" (800 x 480)
- IWP 900 9" (800 x 480)
- IWP 1200 12" (1280 x 800) [own power supply required]



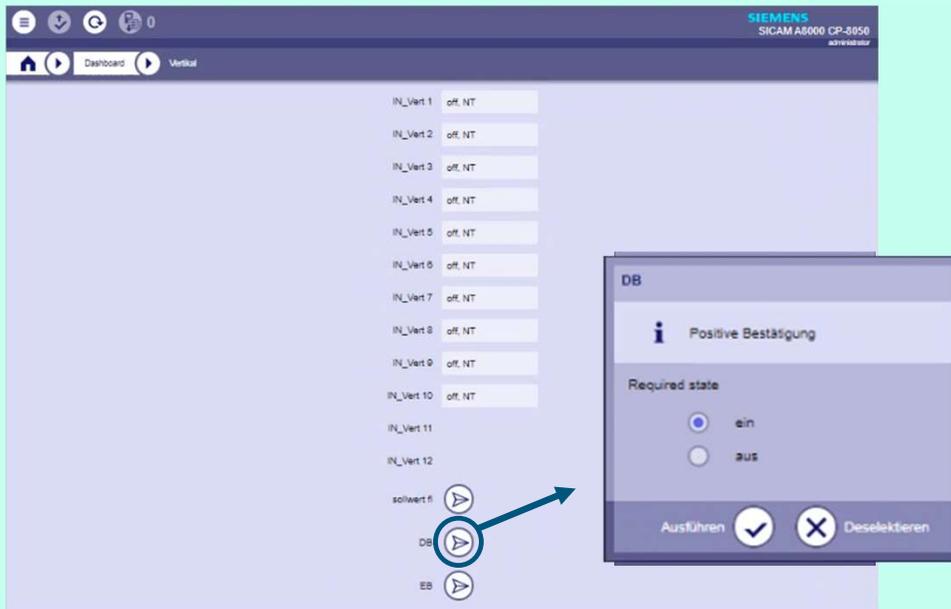
### SICAM CP-8050

- PS-8620** DC 18–78 V, 12 W
- PS-8622** DC 82.5–286 V, 12 W
- PS-8640** DC 18–78 V, 45 W
- PS-8642** DC 82.5–286 V, AC 230 V, DC 24 V output

### CP-8031

## SICAM Web for CP-8050, CP-8031

### Customized dashboard – List view

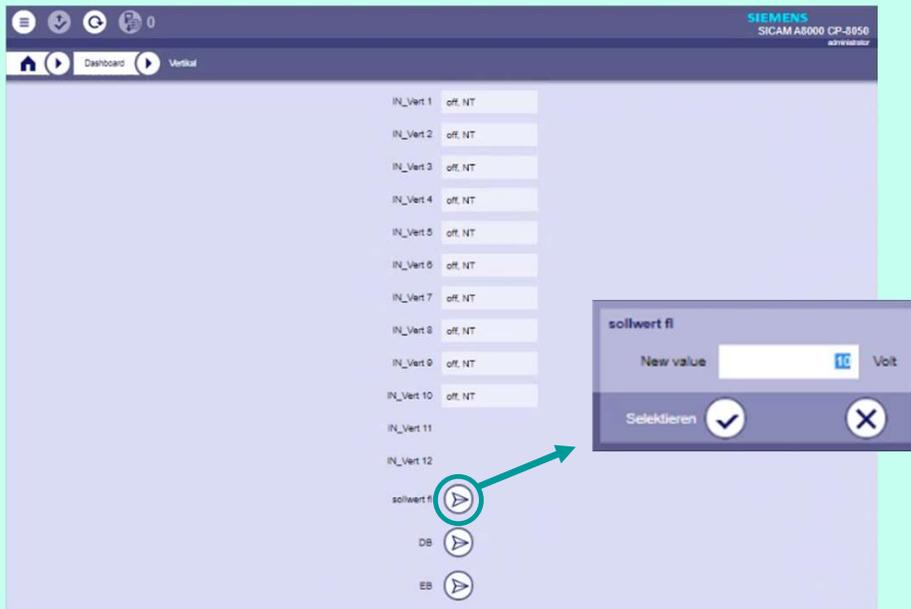


- Display of up to 64 signals (per tile) in list form
- Display of messages and measured values
- Signal names are displayed as tooltip

- Command (one or two stage)

## SICAM Web for CP-8050, CP-8031

### Customized dashboard – List view



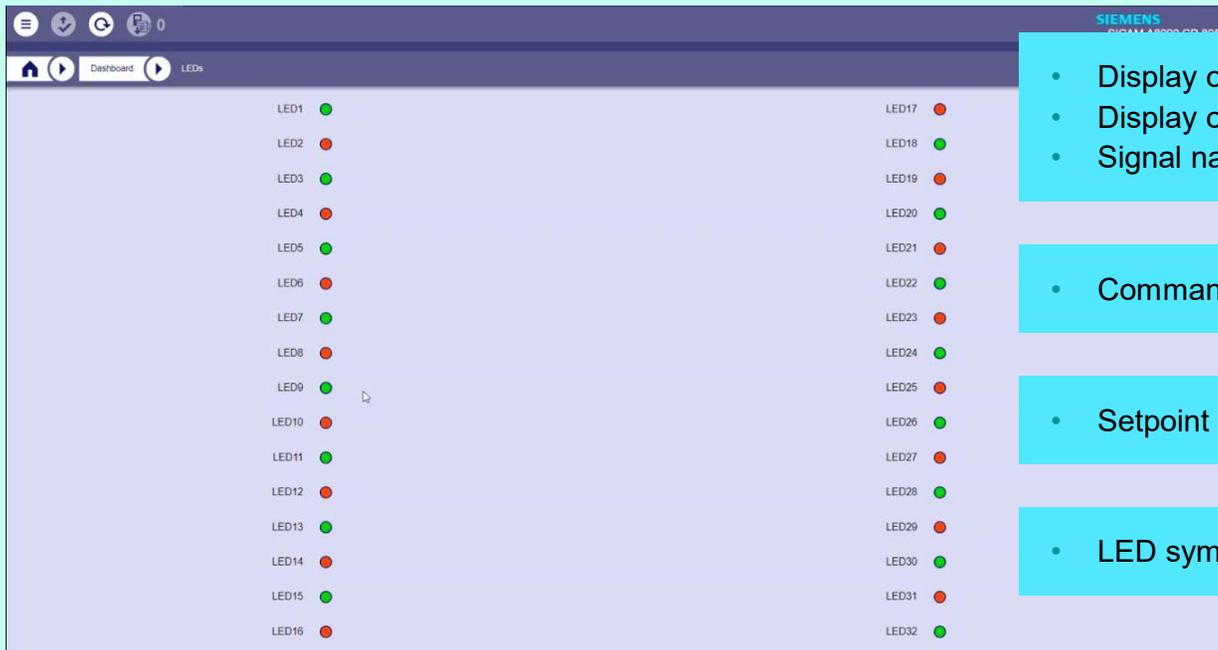
- Display of up to 64 signals (per tile) in list form
- Display of messages and measured values
- Signal names are displayed as tooltip

- Command (one or two stage)

- Setpoint setting

## SICAM Web for CP-8050, CP-8031

### Customized dashboard – List view



- Display of up to 64 signals (per tile) in list form
- Display of messages and measured values
- Signal names are displayed as tooltip

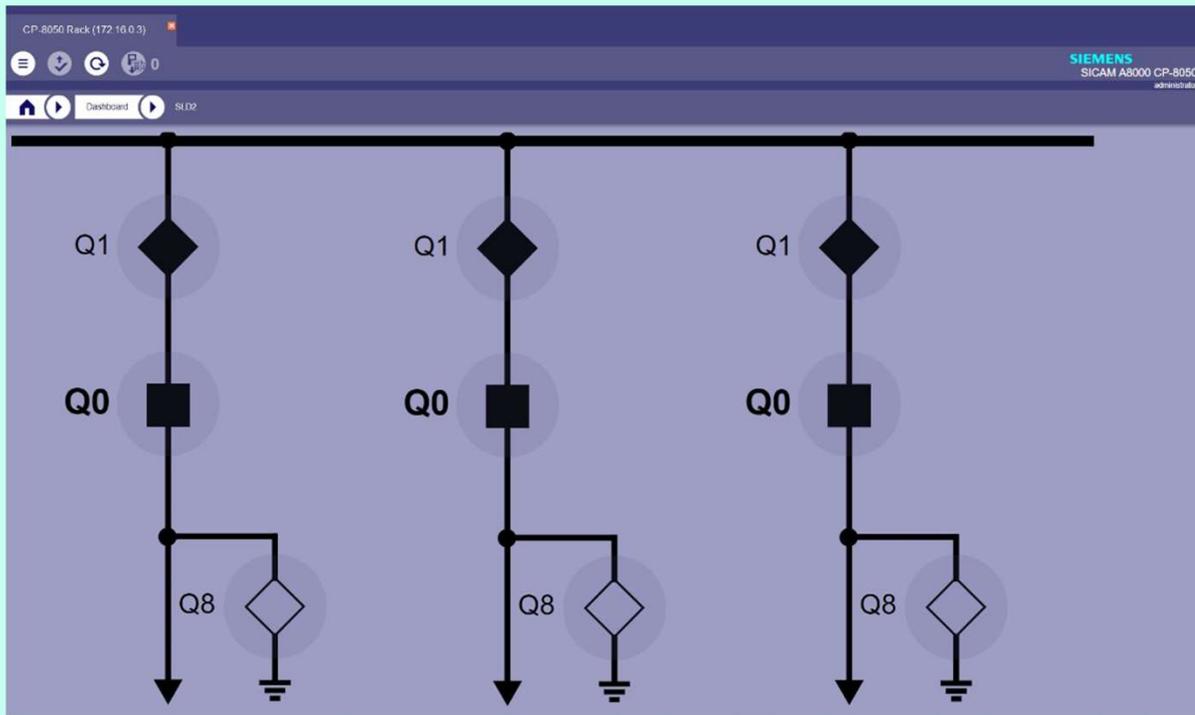
- Command (one or two stage)

- Setpoint setting

- LED symbols also possible

## SICAM Web for CP-8050, CP-8031

### Customized dashboard – SVG-graphic

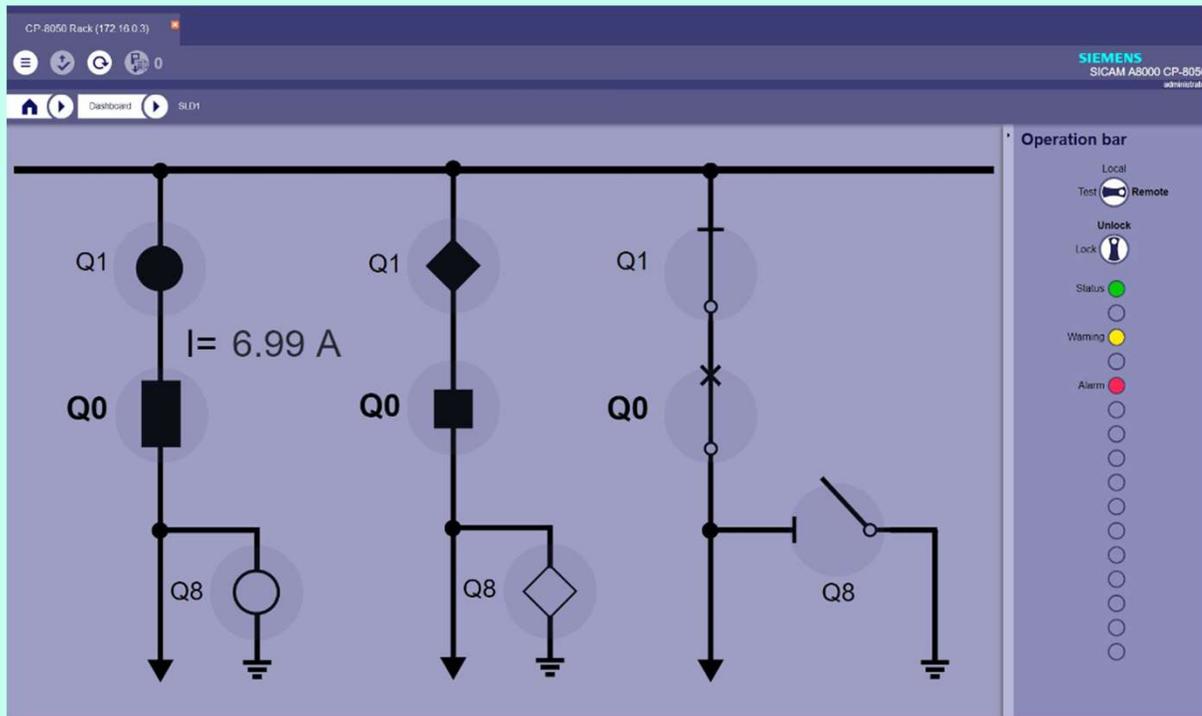


- Individual SVG graphic per tile

- In total 200 signals can be used for SVG graphics

## SICAM Web for CP-8050, CP-8031

Customized dashboard – SVG-graphic with operating bar

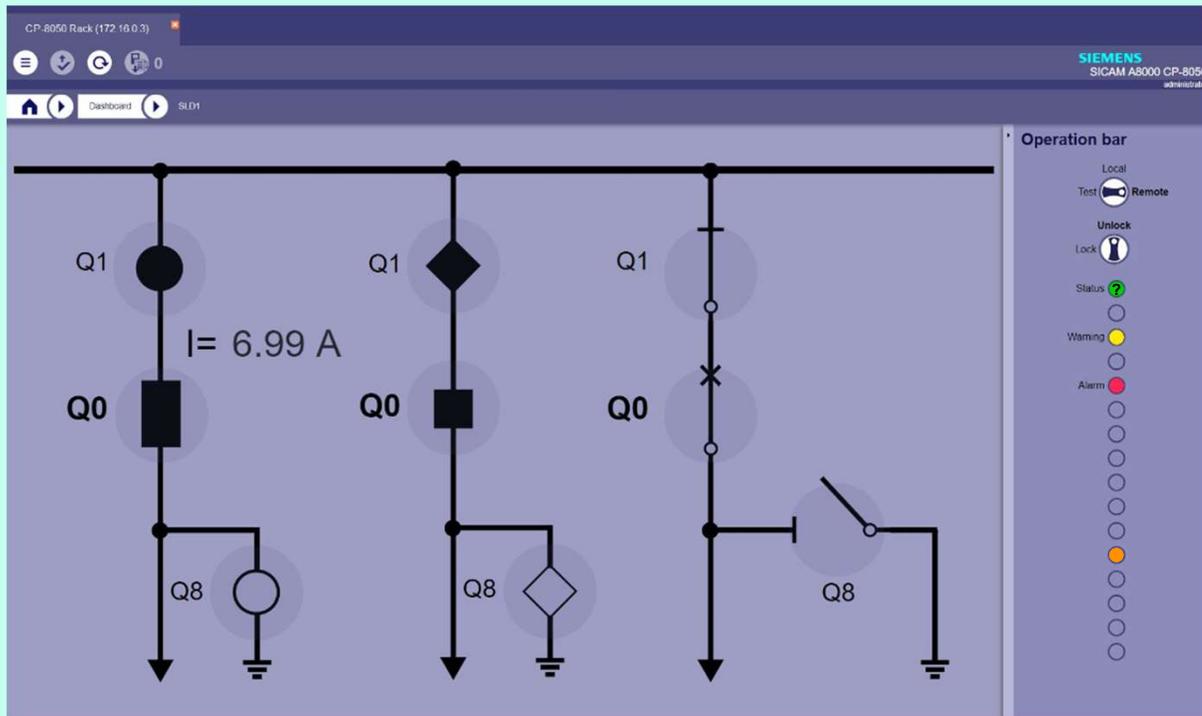


- Control panel as integrated system function
  - 2 key switches power failure safe (local/remote & interlock)
  - 16 LEDs for alarm visualization

- Command (one or two stage)

## SICAM Web expansions for CP-8050, CP-8031

### Customized dashboard – SLD view



- Control panel as integrated system function
  - 2 key switches power failure safe (local/remote & interlock)
  - 16 LEDs for alarm visualization

- Command (one or two stage)

- NT bit marking incl. last status

- Display of differential positions for double-point indications

# SICAM Web expansions for CP-8050, CP-8031

## Customized dashboard – SVG examples

The screenshot displays the SICAM Device Manager web interface for a CP-8050 Rack (172.16.0.3). The interface includes a navigation bar with 'Dashboard' and 'Library' tabs. The main content area is divided into three sections:

- Elements:** A library of symbols categorized into 'General' (SS1, SS2, SS3), 'Switches' (Q0, Q1, Q2), and 'Visual Indicators' (Q1, Q0, I = 6.99 mA).
- SLD Examples:** Two examples of Single Line Diagrams (SLD) are shown. The first example, labeled 'Single busbar', shows a busbar with three circuit breakers (Q1, Q0, Q1) and a load (Q8). The second example, labeled 'Double busbar', shows two busbars with two circuit breakers (Q1, Q2) and a load (Q8).
- Symbols:** A grid of symbols for various components, including CP-8000, CP-8021, CP-8022, CP-8031, CP-8050, PS-8620, PS-8622, PS-8640, PS-8642, CI-8520, CI-8522, CI-8551, CI-8530, CI-8531, CI-8532, CI-8533, DI-8110, DI-8111, DI-8112, DI-8113, DO-8212, DO-8221, DO-8230, AI-8310, AI-8320, AI-8510, AI-8511, AI-8340, AI-8330, AO-8380, CM-8820, and CM-8830. A 'WebUI' symbol is also present.

- Example symbols

## SICAM Device Manager: The intuitive engineering tool for SICAM A8000

Offline parameterization

Online connection with device  
via SICAM Web

Duplication of devices

Automatization functions  
via integrated CFC editor

Project and device management



### Customer benefits

- Simple, clear management of projects and devices in folder structures
- Little time and effort needed for parameterization thanks to duplication of devices and automatic adjustment of specific parameters
- Full compatibility between SICAM Web and Device Manager
- Look-and-feel correspond to SICAM Web

## Cyber Security: SICAM A8000 - meeting the requirements of tomorrow

### Integrated crypto chip

Protects data in a secure environment

### IPSec encryption

Enables secure communication via IP networks

### Secure and reliable https protocol

Guarantees the secure transmission of sensitive data



### Compliant with BDEW White Paper

Fulfills the recommendations for secure and reliable control and communication systems

### Password-protected access to SICAM TOOLBOX II

Ensures that only authorized persons can access your system

### TLS encryption

Certificate based encryption acc. IEC 62351-3 for IEC protocols

## Cyber Security:

### SICAM A8000 - additional features with SICAM CP-8031, CP-8050

#### Firewall

For the separation of TCP/IP networks via integrated software firewall or additional hardware-based application firewall

#### Firmware Signature

Protection against firmware manipulation

#### Security Logbook

Non-volatile storage of SYSLOG events

#### Network Authentication

Certificate based network authentication acc. 802.1x

#### VLAN support

VLAN support acc. IEEE 802.1Q on CP-8050 and CI-8520

#### Hardware-based-Firewall

Hardware-based-Firewall for IEC104 in conjunction with CI-8520. *License key required*

#### Role Based Access Control

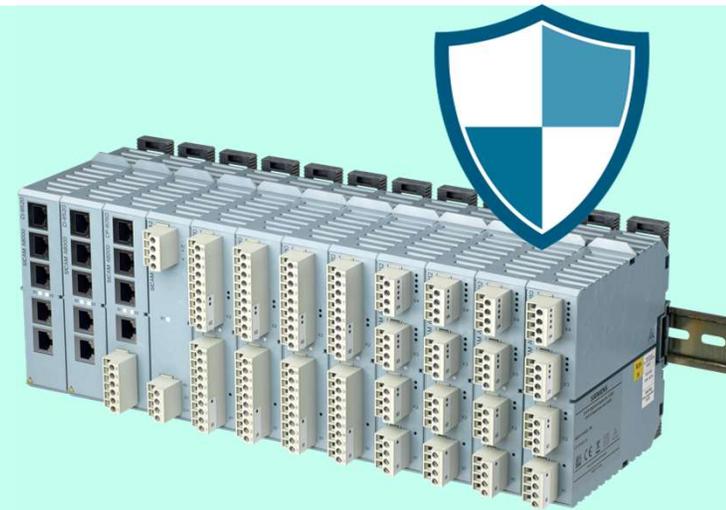
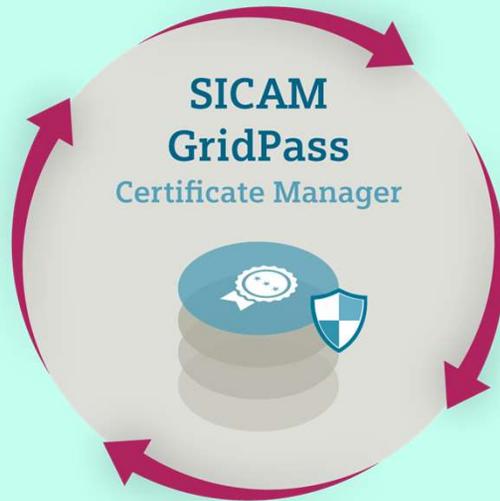
RBAC in accordance with IEC 62351-8 ensures that users may exercise only the rights that correspond to their assigned role

#### Configurable System Functions

Selective activation of individual or multiple system functions per communications interface



## SICAM A8000 CP-8031, CP-8050 Supports SICAM GridPass



**CP-8031, CP-8050 devices can  
automatically obtain certificates from  
SICAM GridPass  
for securing IEC 104, IEC 61850, DNP3**

## Flexible communication:

Diverse range of interfaces and protocols with SICAM A8000

### CP-8000 / CP-8021

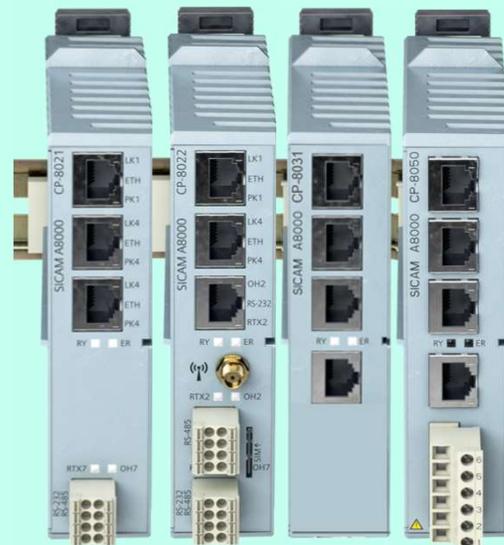
- 2 x RJ45 (Ethernet)
- 1 x RS 232 (RJ45)
- 1 x RS 232/485 (8-pin)

### CP-8050

- 2 x Ethernet (RJ45)
- 1 x RS 232 (RJ45)
- 1 x RS 485 (RJ45)
- 6 x Expansion module
  - 2 x CI-8520 or
  - 6 x CI-8551 or
  - 1 x CI 8520 & 5 x CI-8551

in  
pre

### Multiple communication:



Flexible integration into an existing communications infrastructure through the support of standard protocols, legacy systems, and protocols from third-party manufacturers:

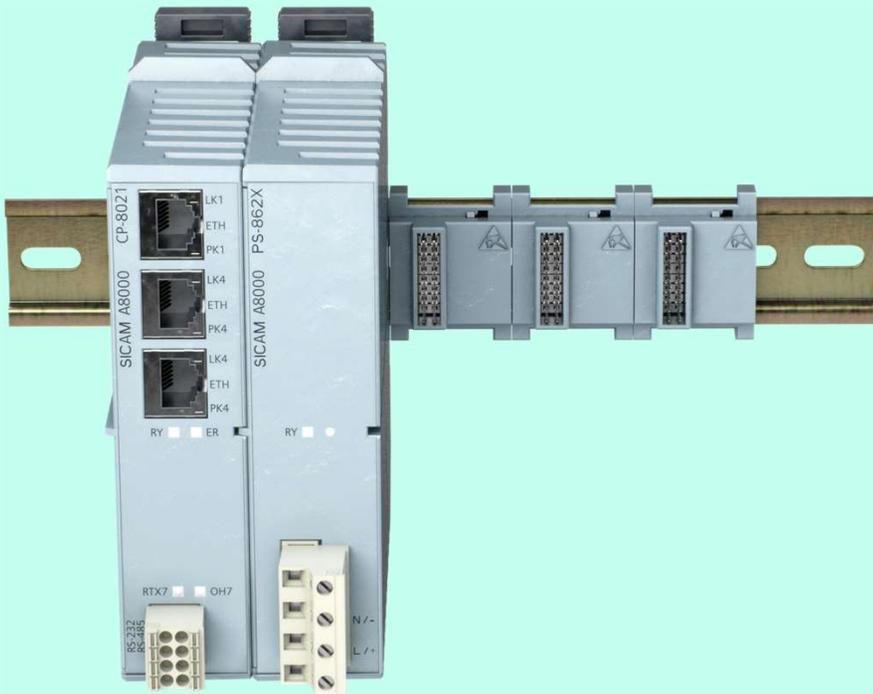
- IEC 61850
- IEC 60870-5-10x
- DNP3.0 serial/TCP
- Modbus RTU/TCP
- Additional protocols upon request

**A strong team:**  
SICAM A8000 - simple to install



- Compact DIN rail mounting

## A strong team: SICAM A8000 - simple to install



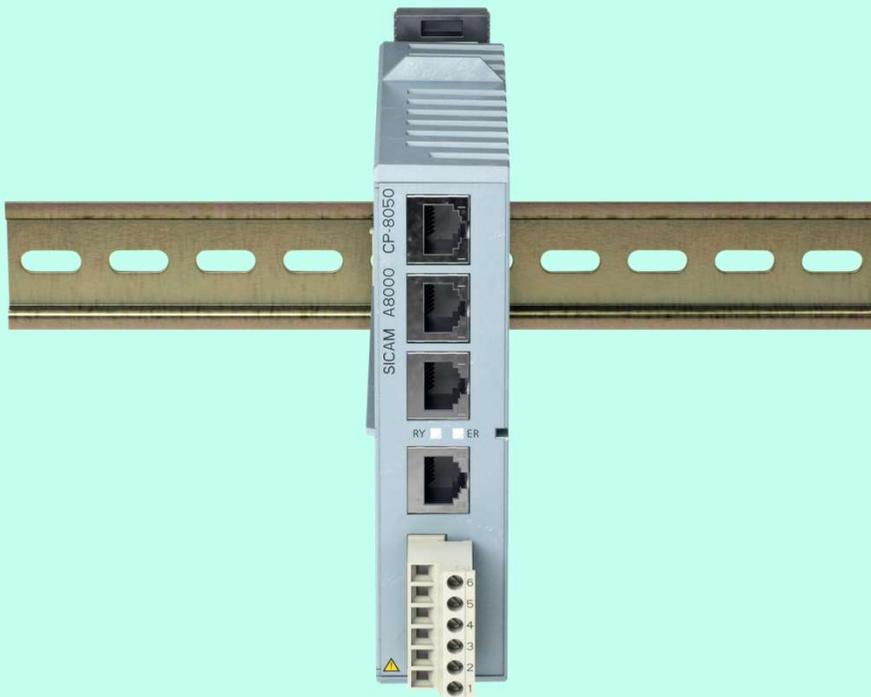
- Compact DIN rail mounting
- Consistent bus for I/O modules

## A strong team: SICAM A8000 - simple to install



- Compact DIN rail mounting
- Consistent bus for I/O modules
- Individual combination of modules
- Detection of the plugged modules during startup

**A strong team:**  
SICAM A8000 - module arrangement CP-8050



- SICAM A8000 CP-8050

## A strong team: SICAM A8000 - module arrangement CP-8050



- SICAM A8000 CP-8050
- Expandable Ethernet communication module (CI-8520/22 module)
- Expandable serial communication module (CI-8551 module)

## A strong team: SICAM A8000 - module arrangement CP-8050



- SICAM A8000 CP-8050
- Expandable Ethernet communication module (CI-8520/22 module)
- Expandable serial communication module (CI-8551 module)
- Singular power supply (PS module)

## A strong team: SICAM A8000 - module arrangement CP-8050



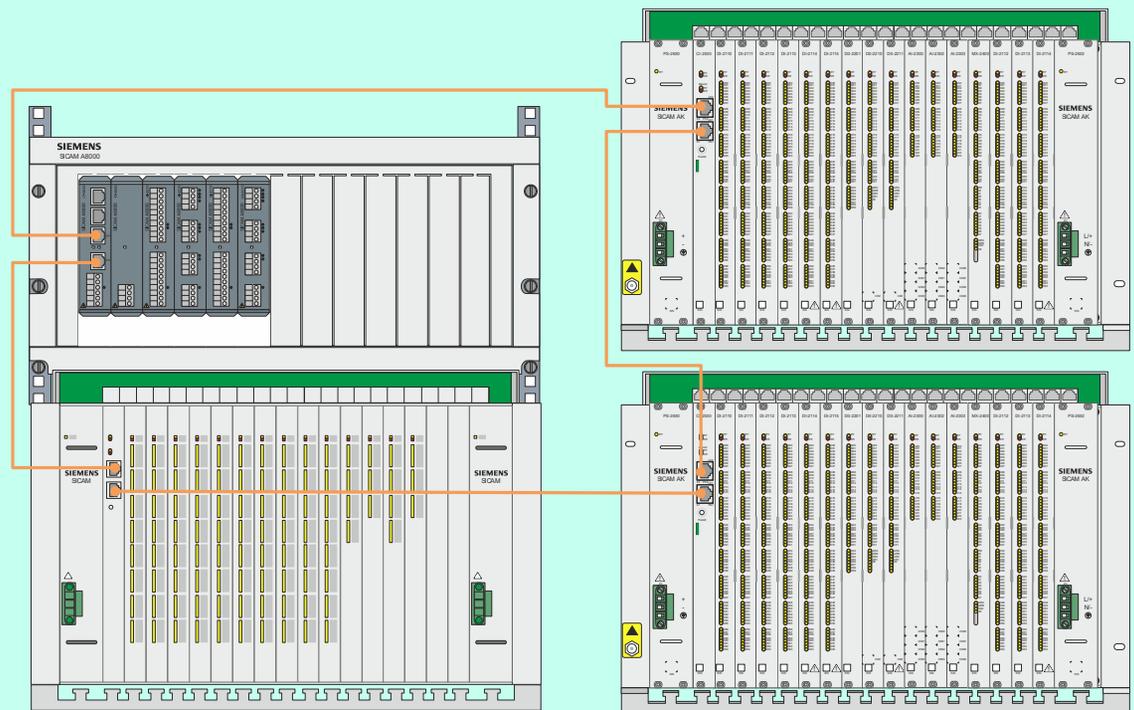
- SICAM A8000 CP-8050
- Expandable Ethernet communication module (CI-8520/22 module)
- Expandable serial communication module (CI-8551 module)
- Singular power supply (PS module)
- Or redundant power supply

## SICAM A8000 Rack Solution

Offer packing density and migration for 19-inch rack mounted I/Os

### SICAM A8000 CI-2530

- Coupling interface to connect SICAM I/O Racks to a CP-8050
- 1x CI-2530 per I/O Rack required
- 16 Rack I/O Modules can be used in one I/O Rack
- Up to 4 I/O Racks can be used
- Operating temperature  $-5^{\circ}\text{C} \dots +55^{\circ}\text{C}$
- Singular or redundant power supply can be used per I/O Rack with supported PS-2630 and PS-2632
- The following Rack I/O Modules will be supported and will aligned to the product-lifecycle of SICAM A8000 CP-8050:
  - Hardware: DI-2112/13/14/15
  - Hardware: DO-2201
  - Hardware: DO-2210/11 incl. SM-2506
  - Hardware: AI-2300 incl. SM-057x
- For migration from SICAM AK to CP-8050, older SICAM AK I/O modules are supported under the following conditions:
  - I/O Rack must be changed
  - Front panel must be changed
  - Power Supplies must be changed
  - Details can be found in the user manual



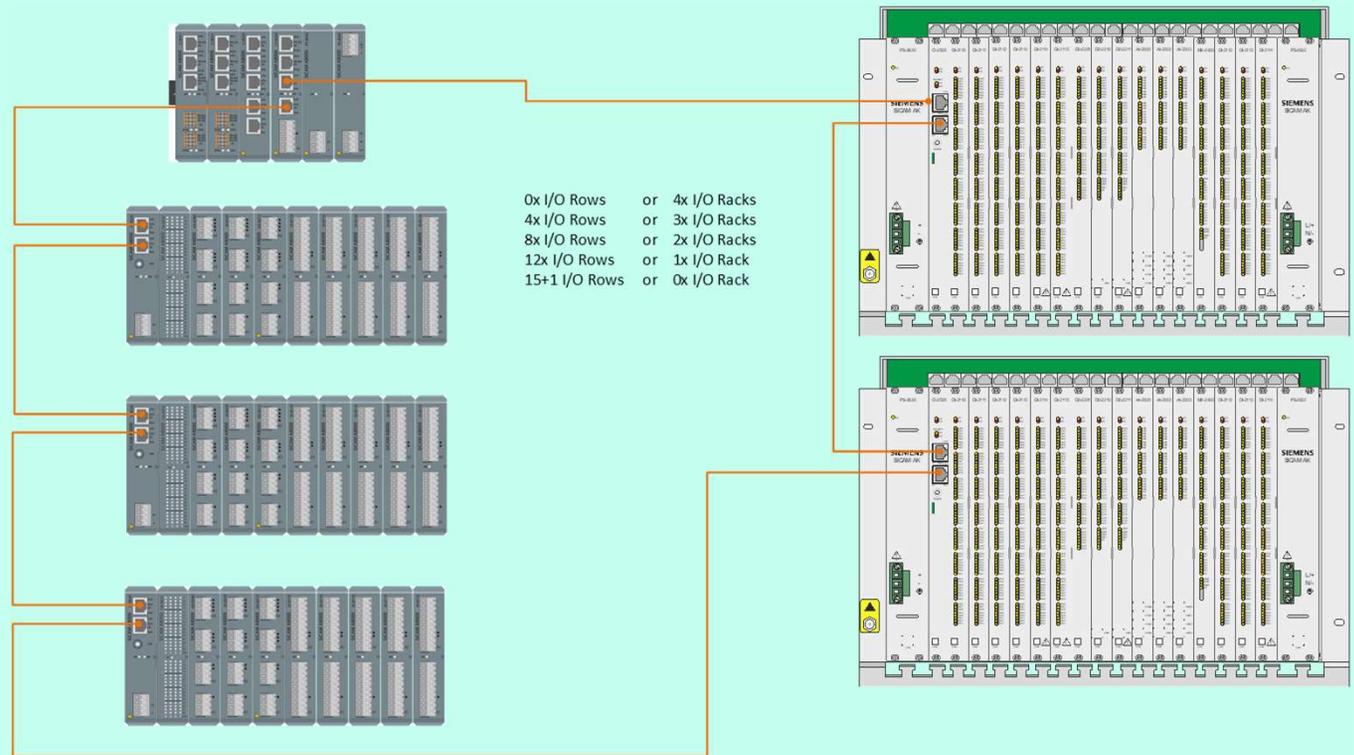
# SICAM A8000 Rack Solution

Combining newest platform CP-8050 with packing density

## CI-2530

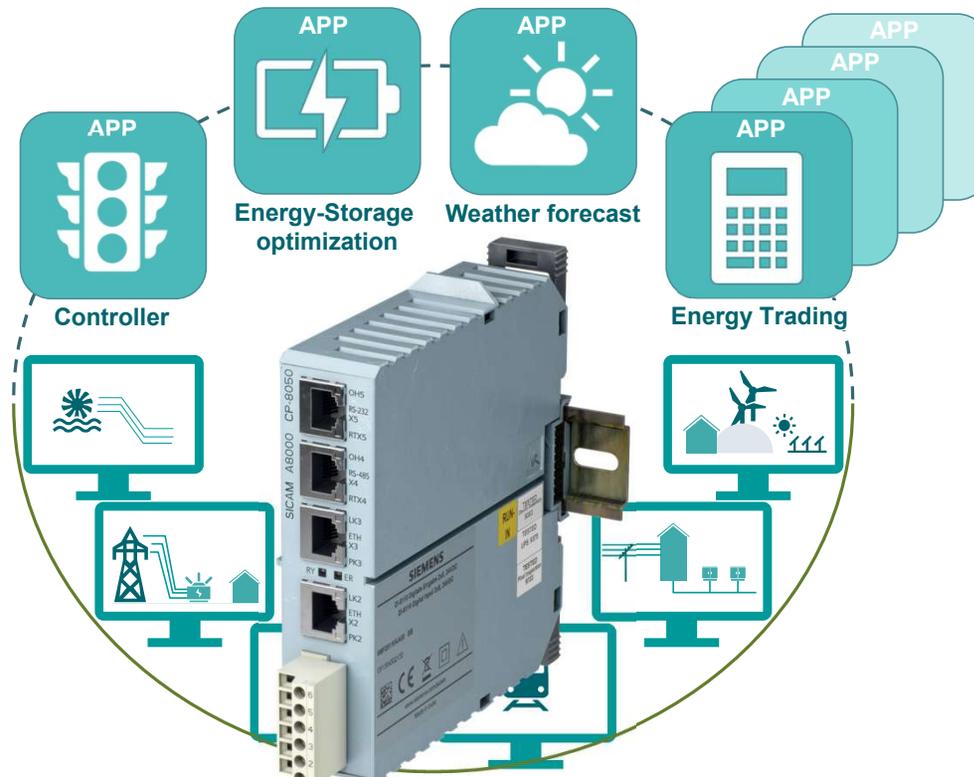
- Line- and ring configurations are supported
- I/O Racks and I/O Rows can be mixed up within a ring.
- The following combinations are allowed:

I/O Rows (within ring)	I/O Racks (within ring)
0	4
4	3
8	2
12	1
15	0



## SICAM A8000 SIAPP Concept

SIAPP embedded in CP-8031 or CP-8050



SICAM A8000

### Sample Applications

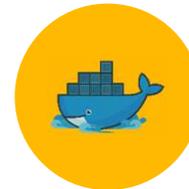
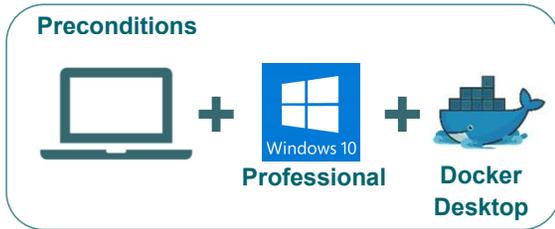
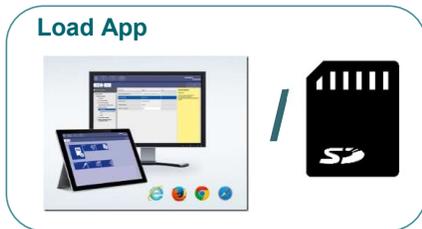
- Transformer-Controller
- Optimization of energy storages
- Weather forecast to optimize control and feed-in algorithms of renewable power plants
- Cost optimization during energy trading

### Customer Benefits

- Reducing Hardware / 3<sup>rd</sup> Party-Devices
- Run customized APPs on a rugged Hardware
- Use RTU-data without physical interfaces
- Use existing features of SICAM A8000-System

# SICAM A8000 SIAPP Concept

## SIAPP Preconditions



## SIAPP Setup

- Preconditions
- SIAPP-Runtime-License
- SIAPP SDK
- Program and test against provided API
- Build SIAPP as Docker-Image
- Load SIAPP into CP-8031 or CP-8050 via SICAM Web or SD-Card
- CP-8031 module: 1 SIAPP
- CP-8050 module: max. 3 SIAPPs simultaneous

# Summary

## Standards

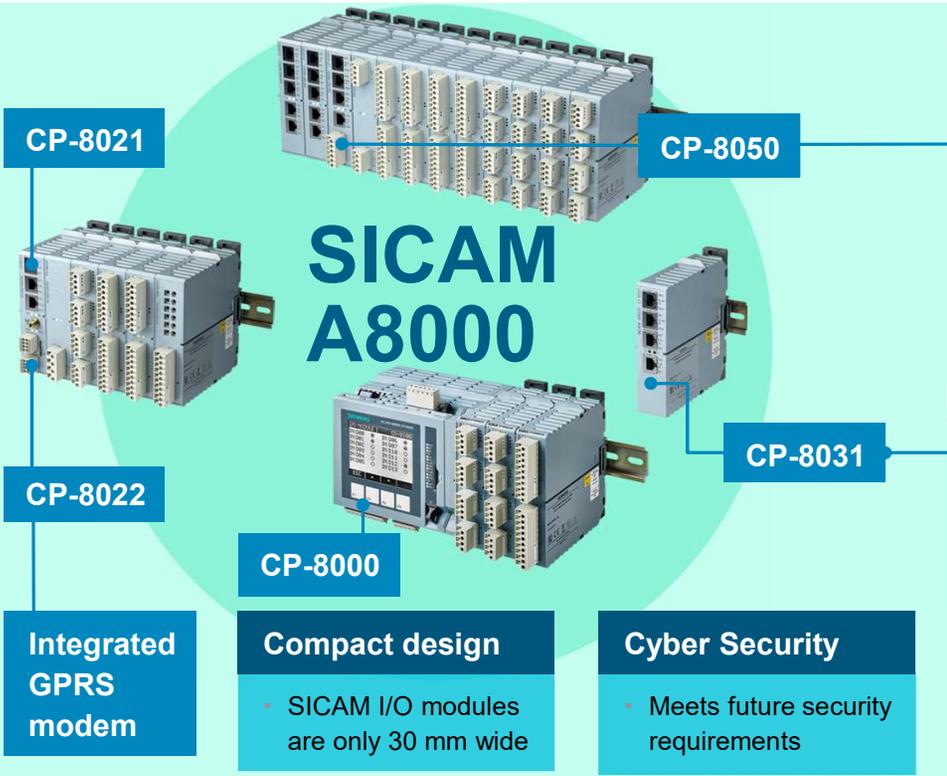
- Standard cable (RJ45, CAT5e)
- Standard technology (Ethernet, Webserver)

## Compatibility

- SICAM TOOL BOX II integration
- Further use of CAExplus Logic
- TM I/O module

## Reduced complexity

- No proprietary bus hubs (CM-084x)
- SICAM Web online functions in the device available without a license



**Integrated GPRS modem**

**Compact design**

- SICAM I/O modules are only 30 mm wide

**Cyber Security**

- Meets future security requirements

## Interfaces

- Max. 8 extension modules
- Max. 16 I/O lines or max. 4 I/O racks
- Max. 34 interfaces (modular)
- Network functionality (TCP/IP protocol architecture, switching, HSR, PRP, RSTP)
- Redundancy

## Performance

- Remote SICAM I/O modules possible (electrically or optical)
- Dual core CPU & memory

## Interfaces

- Max. 8 extension modules
- 1 I/O line
- 4 interfaces (on board)  
2x Ethernet, 2x serial

## Great benefits right from the factory: SICAM A8000 - well-designed for practical use

1. Platform modularity for **versatile application options and reduced inventory**
2. Extended temperature range of -40°C to +70°C for **rough ambient conditions**
3. Highest EMC stability up to 5 kV (IEC 60255) for **direct use in substations**
4. Integrated short-circuit indicator functionality for **use in cable network monitoring**
5. Use of international standards such as IEC 61850 for **high investment security**
6. Integrated crypto chip and IPsec encryption to **fulfill the high cyber security requirements**
7. Multitude of interfaces and integrated GPRS module for **simple adaptation to existing communication infrastructures**
8. Integrated web server for **simple engineering**
9. Plug-and-Play functionality of the modules for **time and cost savings**

**Great benefits right from the factory:**  
SICAM A8000 - well-designed for practical use

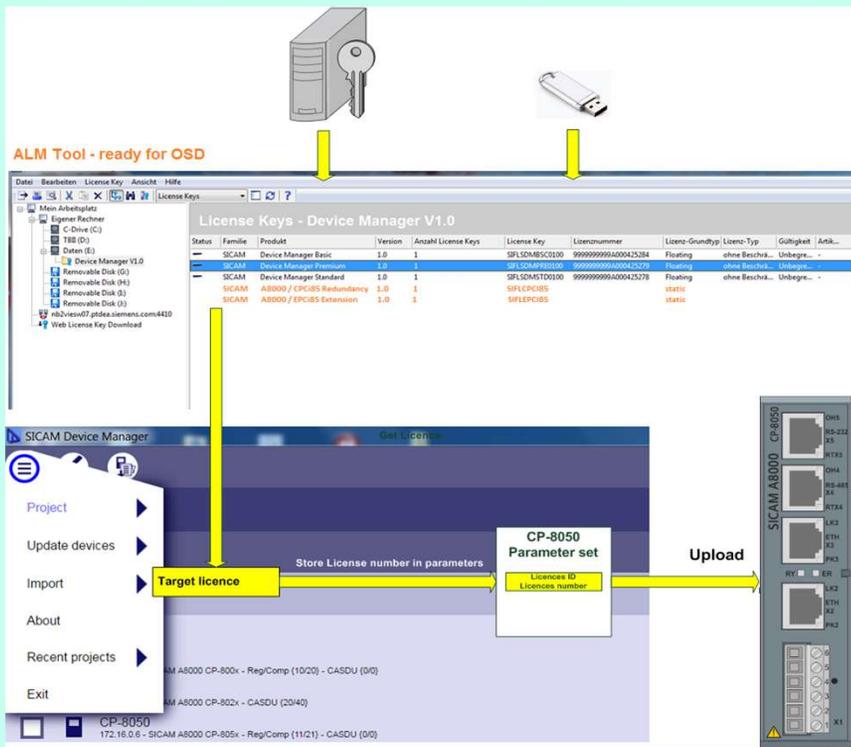
Module	Designation	MLFB
CP-8000	(previously) CMIC (-25 to +70 °C) (integrated power supply)	6MF21010AB100AA0
CP-8000	(previously) CMIC (-40 to +70 °C) (integrated power supply)	6MF21011AB100AA0
PS-8620	Power supply operating voltage DC 24...60 V (12 W)	6MF28620AA00
PS-8622	Power supply operating voltage DC 110...220 V (12 W)	6MF28622AA00
PS-8640	Power supply operating voltage DC 24...60 V (45 W)	6MF28640AA00
PS-8642	Power supply operating voltage DC 110...220 V, AC 230 V (45 W)	6MF28642AA00
CP-8021	Processor module, 4 interfaces onboard	6MF28021AA00
CP-8022	Processor module, 5 interfaces onboard + 1x GPRS	6MF28022AA00
CP-8031	Processor module, 4 interfaces onboard	6MF28031AA00
CP-8050	Processor module, 5 interfaces onboard (expandable up to max. 14)	6MF28050AA00
CI-8520	ETI4/ETI5 Ethernet communication interface	6MF28520AA00
CI-8522	F/O Ethernet communication interface	6MF28522AA00
CI-8530	I/O detached interface module electrical DC 24...60 V	6MF28530AA00
CI-8532	I/O detached interface module electrical DC 110...220 V	6MF28532AA00
CI-8551	Serial communication interface	6MF28551AA00

**Great benefits right from the factory:**  
SICAM A8000 - well-designed for practical use

Module	Designation	MLFB
DI-8110	Binary input 2x8, DC 24 V	6MF28110AA00
DI-8111	Binary input 2x8, DC 48/60 V	6MF28111AA00
DI-8112	Binary input 2x8, DC 110 V	6MF28112AA00
DI-8113	Binary input 2x8, DC 220 V	6MF28113AA00
DO-8212	Binary output relay 8x DC 24...220 V/AC 230 V	6MF28212AA00
DO-8221	Secure command output	6MF28221AA00
DO-8230	Binary output transistor DC 24...60 V	6MF28230AA00
AO-8380	Analog output -20...0...+20 mA, -10...0...+10 mA, -10...0...+10 V	6MF28380AA00
AI-8310	Analog input Pt100/Ni100 (2 groups with 2 AI each)	6MF28310AA00
AI-8320	Analog input 4x $\pm 20$ mA/ $\pm 10$ V	6MF28320AA00
AI-8510	Analog input 3x U, 3x I (LoPo)	6MF28510AA00
AI-8511	Analog input 3x U (LoPo), 3x I (LoPo)	6MF28511AA00
CM-8811	I/O coupler module CP-8000	6MF28811AA00
CM-8820	Current transformer adapter module 3x I (1 A/5 A)	6MF28820AA00
CM-8830	SICAM I/O LED module	6MF28830AA00

# SICAM A8000 CP-8050

## Enhanced featureset – License import



5 Unique license keys for 5 features

- Delivery preferably via OSD

License management via ALM infrastructure

License keys are stored in the parameter set

License keys are also stored on the SD card

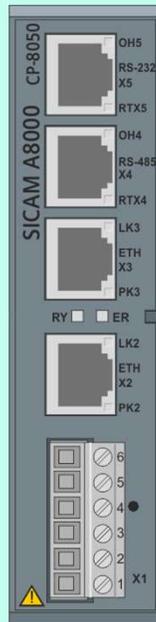
Parameterization without license key possible \*

- 3 weeks trial (Diagnostics-Warning)
- After 3 weeks, functionality stops

\* not available for 6MF27502WE00

## SICAM A8000 CP-8050

### Enhanced featureset – License keys



Designation	MLFB
SICAM A8000 Redundancy *	6MF27500RE00
SICAM A8000 Extended processing **	6MF27500EP00
SICAM A8000 IEC104 Firewall	6MF27500FW40
SICAM A8000 LXC Container ***	6MF27500LX00
SICAM A8000 extended SICAM Web ***	6MF27502WE00

\* Delivery of 2 license keys, only for CP-8050  
 \*\* Required per extended processing firmware EPC185  
 \*\*\* Can also be used on CP-8031

# | Contact

**Michael Schachinger MSc**

SI DG EA-P&R AT PLM

Siemensstraße 90

1210 Vienna, Austria

Phone: +43 (0) 664 8855 6756

E-mail: [michael.a.schachinger@siemens.com](mailto:michael.a.schachinger@siemens.com)

[www.siemens.com/sicam-a8000](http://www.siemens.com/sicam-a8000)