ENERGY AUTOMATION PRODUCTS

SICAM HMI – Process visualization based on SICAM 8

SICAM HMI, elevates process visualization to the next level
siemens.com/sicam-HMI

SICAM HMI represents high performance with current technology, modularized architecture and is a part of the universal power automation platform SICAM 8!

As a pioneer in all areas of power automation, we support our customers in terms of

- Resilience -
  resilient and most secure power grids
- Efficiency -
  fast and consistent engineering
- Sustainability –
  technology to achieve climate goals and create a sustainable company

About SICAM HMI

Control and monitor: With SICAM HMI you have a universal tool for the visualization of smaller plants around the entire energy chain

- from the power generator to the consumer,
- from low voltage to high voltage,
- from infrastructure to industry.

SICAM HMI is based on the SICAM 8 Power Automation Platform. This gives you the advantage of being able to configure the entire range of the SICAM 8 Platform with one engineering tool - SICAM Device Manager.

Your benefit!

- One engineering tool for HMI and RTU - Minimization of maintenance effort and costs
- Unified platform for hardware, software, controller and engineering - reduced training effort for operating personnel
- Hardware from SICAM A8000 portfolio
- Use of manufacturer-independent hardware (industrial PCs with Linux operating system) in combination with the SICAM 8 software solution

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Features

- HMI software for combined use with SICAM S8000:
  - on Linux based SICAM A8000 CPs (CP-8031/50)
  - as SICAM 8 software solution on 3rd party Linux based industrial PCs
- Parameterization with SICAM Device Manager (engineering tool for RTU and HMI)
- Graphics editor integrated in SICAM Device Manager
- Event and Alarm List
- Web browser-based application for tablets and displays with HTML5 browser
- Up to 2,000 data points available for graphics - optimized for systems with smaller data volumes
- Applications with up to 200 data points are license-free

Cybersecurity

With SICAM HMI you have a product with "state of the art" security features:

- HTTPS
- RBAC (Role Based Access Control)
- Patch Management

SICAM HMI – MLFB and Function Point Manager

SICAM HMI Configuration is an addon and works only in conjunction with SICAM Device Manager!

MLFB ordering system:

SICAM Device Manager Basic:	6MF7800-2FB00 or
SICAM Device Manager Standard	6MF7800-2FS00 and
SICAM HMI Configuration	6MF7800-2FH00

Function point (FP) ordering system:
Required function points for runtime licenses

SICAM HMI	
Up to 200 data points license free	0 FP
From 200 to 2,000 data points	200 FP
SICAM EVA (Event and Alarm List)	
Up to 4,000 entries license free	0 FP
From 4,000 entries license	30 FP

Additional functions in planning

The following functionalities are planned for further development stages of SICAM HMI:

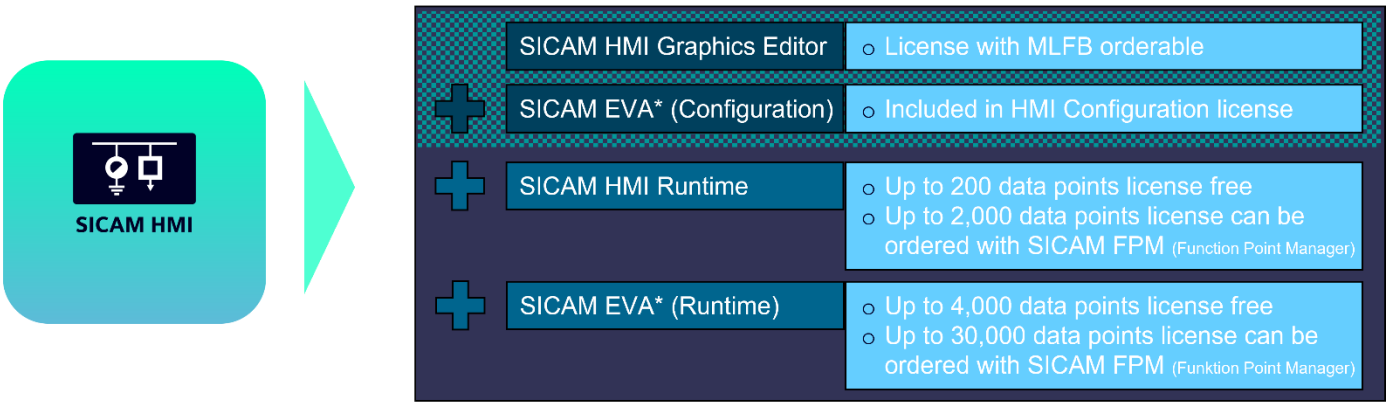
- Up to 10,000 tags
- Topological coloring
- Substitution
- Syslog HMI events
- Centralized User Administration (RADIUS, AD)
- Test bit
- HMI configuration language (IEC61850-6-2)
- Fault record visualization
- Archive
- Trending (measured value diagrams)

The following functions are planned as enhancements to SICAM 8:

- Redundant HMI
- SNMP Client
- Telecontrol and Bay Blocking

SICAM HMI will not replace SICAM SCC!
Due to the limitation of the data points SICAM HMI is designed for the use in small to medium-sized electrical plants predestined.

SICAM HMI – Software package



- Licensing SICAM HMI Configuration is done as an addon to the **SICAM Device Manager**
  - Activation via ALM license (MLFB)
  - Delivery via OSD (Online Software Delivery)
- SICAM HMI Runtime and SICAM EVA* Runtime with function points licensable
  - License file can be generated with SICAM Function Point Manager

*…SICAM Event/Alarm List

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