SIEMENS

Data Sharing Information

CXE200 System Data

EU Data sharing information

On 11 January 2024, the EU Data Act, a central component of the European data strategy, entered into force.

The following information gives you an overview of the data of our products and which are available to you.

TYPE, FORMAT, AND ESTIMATED AMOUNT OF PRODUCT DATA THAT CAN BE GENERATED

Data type	Data format	Estimated size
Event and alarm data	N/A	N/A
process data points (virtual points)	Binary, Numeric, String format	Size according customers project, (30kB – 30MB)
Calendar and Scheduler	Proprietary scheduler	Limited by memory only <10MB
Configuration and Control application	List of Thing Descriptions (JSON)	Size according customers project (512kB – 30MB)
Logs	syslog	512kB – 32MB

Continuous and real-time data generation

The Plug-and-Play system can generate data continuously and in real time. The Data collection is continuous throughout operation. The CPU works with defined cycle times in which process data is recorded and processed.

- Equipment automation network and peripheral networks data are processed during normal system operation continuously. Such data are ephemeral and only the latest information is kept in the system.
- Events (alarms), updates to peripheral devices, and actuations can occur spontaneously during normal system operation.

DATA STORAGE AND STORAGE PERIOD

Local data storage

The Plug-and-Play system stores data in integrated memory areas of the CPU or cloud services (depending on application/setup).

Local Data Storage	Capacities	Storage Duration
Firmware	Up to 150 MB	Persistent (permanent)
Loadable Control Application code and configuration	1 MB Up to 30 MB	Persistent (permanent)
Application data and configuration	up to 255 MB	In RAM, during CPU operation
Logs	Ring buffer, < 32MB	In RAM and Persistent (permanent)

For more information on memory areas, remanence, and memory usage, see the data sheet and user manual.

Remote data storage

Data transmission to external systems is possible via various communication interfaces, e.g. REST API (JSON), Building X Cloud connection (MQTT).

ACCESS / RETRIEVAL, DELETION OF DATA, TERMS OF USE AND QUALITY OF SERVICE

Type of data	Access/retrieval via	Terms of Use	Quality of Service*
Process data (IO, virtual datapoints)	Commissioning Frontend Web server JSON based REST API	User management Authentication	-Encrypted data transmission configuration available (HTTPS, TLS)
Control Application and Configuration data	Commissioning Frontend JSON based REST API	User management Authentication	-Encrypted data transmission configuration available (HTTPS, TLS)
Logs	Internal logs only	Authentication	-no external access

* "Quality of Service" refers to the ability of the Plug-and-Play systems to efficiently manage network resources and ensure that certain performance requirements are met during data transmission.

Deletion of data

To delete all data from the CPU's data stores, the function "Reset to factory settings".

To reset the CPU to factory settings, there are the following access options:

- Controller service button
- Local Config UI function

Learn more

For more information on deleting data, see the Desigo Plug and Play system manual, in the chapters "Safely remove data" and "Reset to factory settings"

Issued by
Siemens Switzerland Ltd
Smart Infrastructure
Global Headquarters
Theilerstrasse 1a
CH-6300 Zug
+41 58 724 2424
www.siemens.com/buildingtechnologies