SIEMENS

Data Sharing Information

Building Peripheral Device 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

For the complete list of peripheral devices see appendix 1.

Data type	Data format	Estimated size
Engineering Data	In respective bus protocol format*	Typically, less than 100 data points

*MODBus, BACnet, KNX, M-Bus, KNX IoT

For detailed list of data points, please refer to the respective product datasheet.

Continuous and real-time data generation

The peripheral devices can generate data continuously and in real time. The Data collection is continuous throughout operation by the upper level control system. The CPU works with defined cycle times in which process data is recorded and processed.

- Peripheral device network data are processed during normal system operation continuously. Such data are ephemeral and only the latest information is kept in the device accessible through the field bus interface.
- Events (alarms), updates to peripheral devices, and actuations can occur spontaneously during normal system operation.

DATA STORAGE AND STORAGE PERIOD

Local data storage

The Desigo PXC systems stores data in integrated memory areas of the CPU or on memory card or cloud services (depending on application/setup).

Local Data Storage	Capacities	Storage Duration
Firmware	A few KB to a few MB	Persistent (permanent)
Logs	Ring buffer from a few KB to a few MB, when available	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. BACnet, BuildingX Cloud connection, ...
The Desigo PXC systems can send data to various remote systems, e.g. BMS systems, 3rd party logging databases, cloud platforms (BuildingX).
The Desigo PXC systems can send logging data as syslog messages to a SIEM system.
The storage period on external systems depends on the configuration of the respective system.

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 (input and output)	Field bus interface*	Field bus access according to the bus specification	-Prioritization of controls-tasks versus data access -Encrypted data transmission configuration when available (HTTPS, TLS)
Configuration data and control program	Field bus interface*	Field bus access according to the bus specification	-Prioritization of controls-tasks versus data access -Encrypted data transmission configuration when available (HTTPS, TLS)
Logs	Field bus interface*	Field bus access according to the bus specification	-Encrypted data transmission configuration when available (HTTPS, TLS)

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

Deletion of data

No dedicated “deletion of data” functionality.

Reconfigure the device will delete the previous configurations.

Learn more

For more information on deleting data, see the Desigo PXC systems manual, in the chapters "Safely remove data" and "Reset to factory settings".

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Appendix 1

Product	Data format
QMX6	KNX
RDG2xxKN	KNX
RDF4xxBN	BACnet
RDF4xxMB	Modbus
RDQ411MB	Modbus
RDF660MB	Modbus
RDF600KN	KNX
RDF8xxKN	KNX
RDB160BNU (Americas)	BACnet
RDY2000BN (Americas)	BACnet
RDG405KN	KNX
RDF870MB	Modbus
RDD9x (Korea)	inhouse special protocol
RDE9x (Korea)	inhouse special protocol
QMX3 KNX	KNX
QMX2 KNX	KNX
AQR KNX	KNX
QFA205xxx Modbus	Modbus
QSA2700 Modbus	Modbus
QBM37xx Modbus	Modbus
QBM97xx Modbus	Modbus
QFM2150/MO	Modbus
QPM2102/MO	Modbus
QPM2150/MO	Modbus
QPM2152/MO	Modbus
QPM2153/MO	Modbus
QPM9152/MO	Modbus
QAM2151.040/MO	Modbus
QAE2154.101/MO	Modbus
QFA3150/MO	Modbus
QFM3150/MO	Modbus
QFM9150/MO	Modbus
In-house DP Modbus	Modbus
NGS Primary Modbus, various communication	Modbus
OCT100.BR	KNX IoT via IPv6
OCT100.R	KNX IoT via IPv6
OCT200.KNBA	BACnetIP via IPv4, KNX IoT via IPv6
OCT110.BR	KNX IoT via IPv6
OCT200.KNR	KNX IoT via IPv6
QMA230KT	KNX IoT via IPv6
QMA231KT	KNX IoT via IPv6
QAA2890/WI	KNX IoT via IPv6
QFA2890/WI	KNX IoT via IPv6
QPA2892/WI	KNX IoT via IPv6
SSA911.02TH	KNX IoT via IPv6

QWA2250KT	KNX IoT via IPv6
QCA2550KT	KNX IoT via IPv6
QCA2551KT	KNX IoT via IPv6
RXV370KT	KNX IoT via IPv6
RXV371KT	KNX IoT via IPv6
QMA340KT	KNX IoT via IPv6
RDV370KT	KNX IoT via IPv6
RDV371KT	KNX IoT via IPv6
QAA2150KT	KNX IoT via IPv6
QFA2250KT	KNX IoT via IPv6
QFA2250KT	KNX IoT via IPv6
GTW100ZB	Zigbee 3.0, HTTPs via IP
RCR110.2ZB	Zigbee 3.0
RCR111ZB	Zigbee 3.0
RDZ100ZB	Zigbee 3.0
RDZ101ZB	Zigbee 3.0
RDZ103ZB	Zigbee 3.0
RDZ200ZB	Zigbee 3.0
SCH010ZB	Zigbee 3.0
SCH030ZB	Zigbee 3.0
SCH020ZB	Zigbee 3.0
SCH040ZB	Zigbee 3.0
SSA911.02ZB	Zigbee 3.0
QNA2820D.EU	LoRaWAN
QNA2820D.US	LoRaWAN
QNA2820D.AU	LoRaWAN
QNA2700D.BA1	LoRaWAN
QNA2700D.BA2	LoRaWAN
QFA2821.EU	LoRaWAN
QPA2821.EU	LoRaWAN
QPA2822.EU	LoRaWAN
DXR1../IP	BACNET IP
DXR1../MSTP	BACNET MSTP
GCA16../MO	MOD
GDB11../KN	KNX
GDB11../MO	MOD
GDB16../MO	MOD
GDB18../BA	BACNET
GDB18../KN	KNX
GDB18../MO	MODBUS
GEB16../MO	MOD
GLB11../KN	KNX
GLB11../MO	MOD
GLB18../BA	BACNET
GLB18../KN	KNX
GLB18../MO	MODBUS
GLD16../MO	MOD

GMA16../MO	MOD
WFK6xx	M-Bus
WFM5xx	M-Bus
WFM6xx	M-Bus
WFN5xx	M-Bus
WFN6xx	M-Bus
WFW6xx	M-Bus
WFZ6xx	M-Bus
WHE5xx	M-Bus
WHE6xx	M-Bus
WSM5xx	M-Bus
WSM6xx	M-Bus
WSM8xx	M-Bus
WSN5xx	M-Bus
WSN6XX	M-Bus
WSN8XX	M-Bus
WTT5XX	M-Bus
WTT6XX	M-Bus
WTT7XX	M-Bus
WTV5XX	M-Bus / Wifi
WTV7XX	M-Bus / Wifi
WTX6XX	M-Bus
WZU-MB G4	M-Bus
WZU-MI	M-Bus
SSA911.02…	Thread V1.1, Zigbee 3.0
SSA118.09 HKN	KNX S-Mode or KNX PL-Link
SSA11x.09 HMO	Modbus RTU
ASE4U10E S55845-Z…	BACnet IP via IPv4, Modbus RTU
ASE4U10x S55845-Z…	BACnet IP via IPv4, Modbus RTU
GDB161.9E/MO	Modbus RTU
GDB161.9E/MO/LC	Modbus RTU
GDB161.9E/MO6P	Modbus RTU
GLB161.9E/MO	Modbus RTU
GLD161.9E/MO	Modbus RTU
GDB111.9E/MO	Modbus RTU
GLB111.9E/MO	Modbus RTU
GMA161.9E/MO	Modbus RTU
GLB111.9E/KN	KNX S-Mode or KNX PL-Link
GDB111.9E/KN	KNX S-Mode or KNX PL-Link