

# sdc Smart Data Coordinator

## Central, automatic data collector with evaluation function

sdc Smart Data Coordinator is the heart of the sdc Smart Data Systems. It is the central collection and coordination point of the data of sdc Smart Data Meter and sdc Smart Data Adapter. Its reporter function automatically creates and sends ready-to-use reports.



### YOUR BENEFIT

- Automatic data collection
- Key date accurate evaluation: automatic data transmission via email
- Reporter function: no evaluation effort
- Time-synchronization of all measurements
- 4G/LTE data transmission Internet/Cloud

#### Automatic data collection

The sdc Smart Data Coordinator is the central collection point of the measurement data from sdc Smart Data Meter and sdc Smart Data Adapter. The networking of the sdc smart data systems can be done via an own or a auto-



nous data network via LAN, WLAN or LoRa® 868 MHz interface. Its integrated Wi-Fi hotspot allows direct connection to mobile devices for data display.

The collected measurement data can be automatically sent by sdc Smart Data Coordinator via email<sup>6)</sup>. The dates can be individually configured to receive the reports key date-specific.

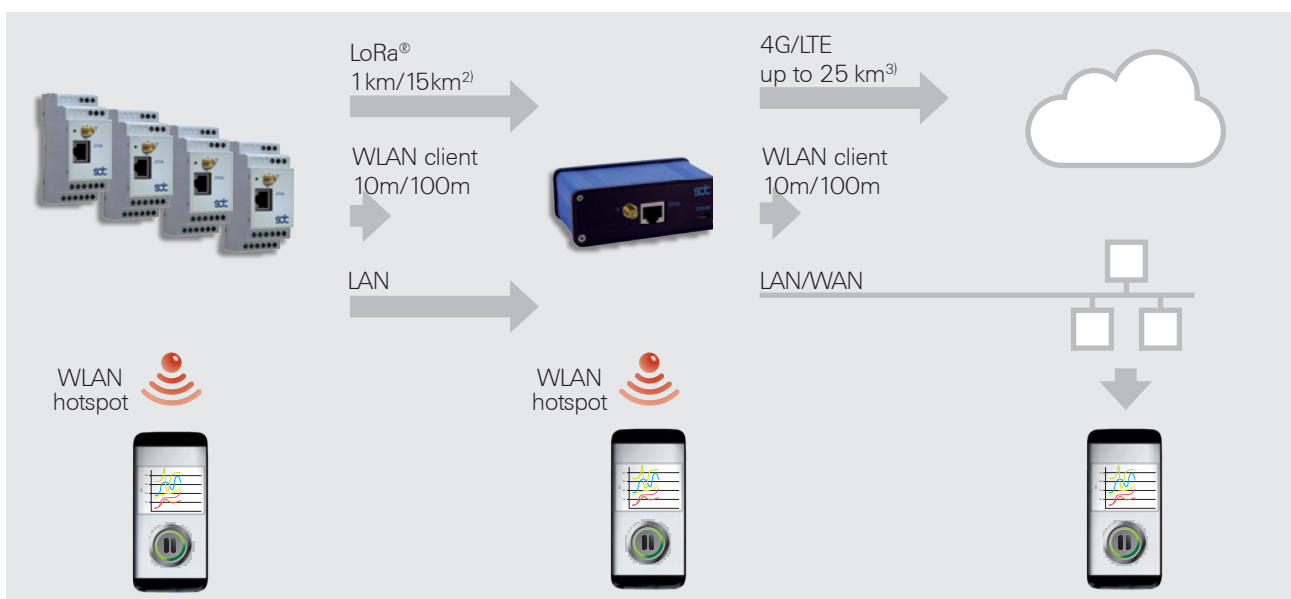
The extension of the sdc Smart Data Coordinator with an SQL database allows the integration of own measurement data, e.g. environmental data, for a comprehensive evaluation. Key performance indicators such as energy consumption for a specific production charge can be obtained.

#### Reporter function: automatic measuring

The Reporter feature automatically creates ready-to-use Microsoft® Excel reports, e.g. for evaluations according to electricity and energy tax law. This minimizes the effort involved in the measurement evaluation. The reports contain daily, weekly, monthly consumption values per measuring point and peak load values.

#### 4G/LTE Modem

The sdc Smart Data Coordinator can be equipped with an integrated 4G/LTE modem. The sending of the measured data e.g. by email can thus be done independently of the own data network infrastructure.



subject to modifications, illustrations similar connection to a Smtip server (by customer)

2) radio range inside/outside of buildings, maximum

3) extreme far range up to the base station, ]maximum 6) prerequisite is a

| Technical Characteristics sdc Smart Data Coordinator |  |
|--|--|
| Data interfaces (input)                              | LAN (Ethernet RJ45)<br>WLAN-Client 802.11 b/g/n (external antenna connection)<br>optionally:<br>LoRa® 868 MHz (external antenna connection)  |
| Data interfaces (output)                             | WLAN hotspot 802.11 b/g/n (internal)<br>WLAN client 802.11 b/g/n (external antenna connection)<br>optionally:<br>4G/LTE modem: IEEE 802.15.4g (external antenna connection)  |
| Data output logs                                     | SMTP (email)<br>optionally:<br>FTP, SFTP (data transfer)<br>weitere auf Anfrage  |
| Web server   | Http, Parameterization, visualization and remote selection of the stored* measured data (CSV files) via a web browser.   |
| Power supply   | 5 VDC, 3 A (230 VAC via switching power supply)  |
| Dimensions (W x H x D)                               | desktop housing: app. 100 mm x 36 mm x 50 mm<br>DIN rail housing: app. 35 mm x 98 mm x 65 mm   |
| Runtime system                                       | sdc RTE/Linux  |
| Data recorder (optional)                             | up to 128 GB of onboard memory available<br>data storage format: CSV file  |
| Dynamic function (optional) <sup>4)</sup>            | adjustable data storage rate up to 10 values/second and measuring channel  |
| SQL-Datenbank (optional)                             | Integration of own measurement data <sup>8)</sup> e.g. environmental data<br>Formation of characteristic values  |
| Reporter-Funktion (optional)                         | <ul style="list-style-type: none"> <li>■ automatic logging</li> <li>■ Microsoft® Excel file (alternative: CSV file)</li> <li>■ Daily, weekly, monthly consumption per measuring point and total (active work, blind work)</li> <li>■ peak loads</li> <li>■ automatic delivery</li> </ul> |

| Order code<br>sdc Smart Data Coordinator  |  |
|---|--|
| G1 X - X - X - X - X - X  |  |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">A</div> <div style="border: 1px solid black; padding: 2px 5px;">B</div> <div style="border: 1px solid black; padding: 2px 5px;">C</div> <div style="border: 1px solid black; padding: 2px 5px;">D</div> <div style="border: 1px solid black; padding: 2px 5px;">E</div> <div style="border: 1px solid black; padding: 2px 5px;">F</div> </div> |  |
| <b>A</b>  | <b>Housing</b><br>1: desktop housing<br>2: DIN rail housing  |
| <b>B</b>  | <b>Data recorder</b><br>0: none<br>1: data recorder 8GB<br>2: data recorder 128 GB<br>3: data recorder 8 GB dynamic<br>4: data recorder 128 GB dynamic |
| <b>C</b>  | <b>SQL data bank /reporter function</b><br>0: none<br>1: SQL data bank<br>2: SQL data bank and reporter function                                       |
| <b>D</b>  | <b>Data interfaces input</b><br>0: LAN, WLAN hotspot (internal) in addition<br>1: WLAN client (external)<br>2: LoRa®                                   |
| <b>E</b>  | <b>Data interfaces output</b><br>0: LAN, WLAN hotspot (internal) in addition<br>1: WLAN client (external)<br>2: 4G/LTE modem                           |
| <b>F</b>  | <b>Data protocols</b><br>0: SMTP (email), standard http in addition<br>1: FTP, SFTP<br>X: specific on request  |

| Accessories                                 |  |
|---|--|
| Switching power supply for desktop housing  | 230 VAC/5 VDC, Mini-USB-port<br>(Dimensions W x H x D app. 54 mm x 24 mm x 38mm)       |
| Switching power supply for DIN rail housing | 230 VAC/5 VDC terminal connection<br>(Dimensions W x H x D app. 25 mm x 93 mm x 56 mm) |

subject to modifications, illustrations similar

4) prerequisite: option data recorder 8) by customer



Product Line  
sdc Smart Data Systems 2020



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