



## Sales Data Controller

Geneko GWG Sales Data Controller (GWG-SDC) represents a robust solution designed to provide CIS (Certified Invoicing System) connectivity to Tax Authority server using cellular network or internet.

Connection is established using 3G/4G GSM and secure Private APN or over internet using IPsec/VPN. It is designed to receive specific receipt data from CIS, performs data processing, digital signing, sending receipt to Tax Authority server, receiving server response and signature and generates response data which is sent back to CIS for further actions. Response data provides GWG-SDC and Tax Authority server signature and authenticity of receipt data. Digital signing is done using smart card (SAM).

If, in the moment of receipt issue, there is no connectivity to Tax Authority server, GWG-SDC will automatically switch to offline mode. In offline mode it stores data in internal secure memory for later sending, and generates response data to CIS without server signature.



## Main functions

- Provides audit information in encrypted form to remote Tax Authority server using cellular network or internet
- Online and Offline mode of operation
- Switches to offline mode of operation in case there is no connectivity to Tax Authority server
- Receiving and executing commands from Tax Authority server
- Provides digital signature (generated by SAM card) with encrypted information on each receipt
- Provides digital signature from Tax Authority server if there is connection to server at the moment of receipt issue.
- Providing a signal to user is it functioning or not, its current status and audit progress
- Memorizing all unsent fiscal data in secure internal memory
- Ensures automatic device fiscalization during first connection to Tax Authority server

## Advantages

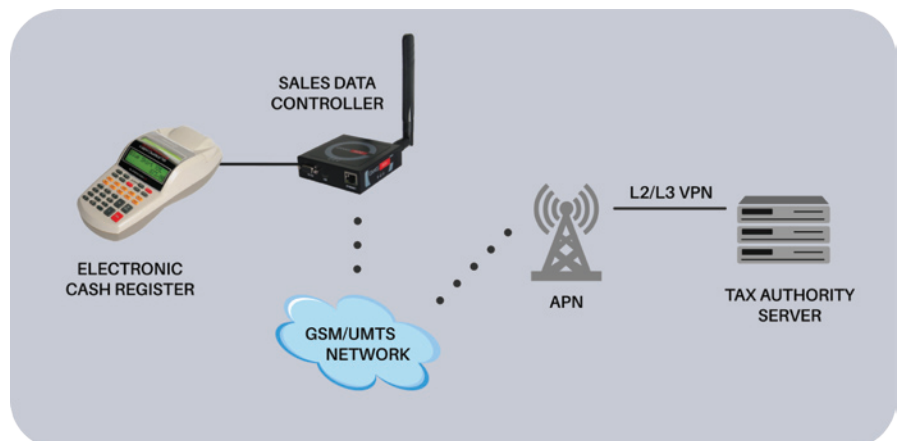
- Complete solution for any CIS system designed according to specific fiscal regulations
- Easy connection to any electronic cash register or POS printer
- Possibility to connect multiple POS systems or fiscal devices
- Higher data security than conventional fiscal devices
- Trusted platform that includes several advanced security features including tamper detection, secure fuses, secure RAM and Arm® TrustZone® based hardware isolation (secure enclave)
- Internal battery for use without mains power supply
- Easy to use

**QMS**  
ISO 9001:2015  
**ISMS**  
ISO/IEC 27001:2014

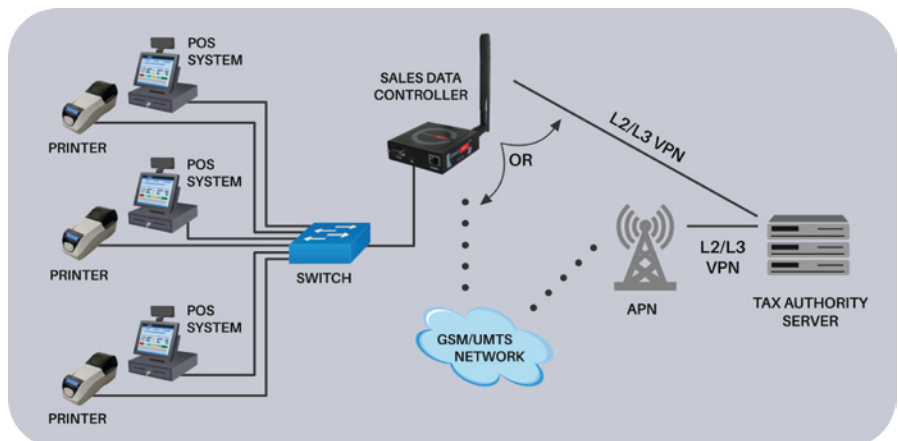
**CE** certified

## Technical specifications

<b>External interfaces</b>	<ul style="list-style-type: none"> <li>• 1x Serial RS-232 interface</li> <li>• 1x USB interface</li> <li>• 1x Ethernet interface 10/100 Base-T (LAN)</li> <li>• 1x SAM card slot</li> <li>• 1x SIM card slot</li> <li>• 1 or 2 SMA female 50Ω connectors for GSM antenna</li> </ul>
<b>Internal interfaces</b>	<ul style="list-style-type: none"> <li>• 1x Micro SD connector for storing copy of unsent data</li> </ul>
<b>LED indicators</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• GWG-SDC OK/NOK</li> <li>• Audit package sent OK/ERR</li> <li>• GSM Signal</li> <li>• Server connection</li> </ul>
<b>RF characteristics of GSM modules</b>	<ul style="list-style-type: none"> <li>• 3G HSPA+ module: UMTS/HSPA+/GSM/GPRS/EDGE</li> <li>• 4G LTE module: LTE/WCDMA/DC-HSPA+/GSM/GPRS</li> </ul>
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• External adapter – 100-240VAC, 50Hz, 9VDC/2A</li> <li>• Built-in Li-Ion battery, 3.7V, 950mAh</li> </ul>
<b>Operating temperature</b>	-20° C to 70° C
<b>Dimensions (W x D x H)</b>	95 x 135 x 35 mm
<b>Weight</b>	380 gr



Connection of single ECR to SDC and Tax Authority Server



Connection of multiple POS systems to SDC and Tax Authority Server

## CONTACT US

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