sttID
scemtec Transponder Technology GmbH

868 MHz Long-Range Reader / Writer
SIL-9400-MUX4

- 868 MHz RFID Reader/Writer for Long-Range applications
- reading distance up to 12m with external antenna / 8 dBi gain [depending on tag size]
- integrated multiplexer for 4 or 8 antennas
- anti-collision
- RSSI Data Response
- 2 digital Inputs / 4 digital Outputs
- Monitor output

- USB Connector for Keyboard and Mouse
- Web Interface for configuration and firmware update
- Linux based operating system
- 1GB User Memory allows user creating own application software running on the reader
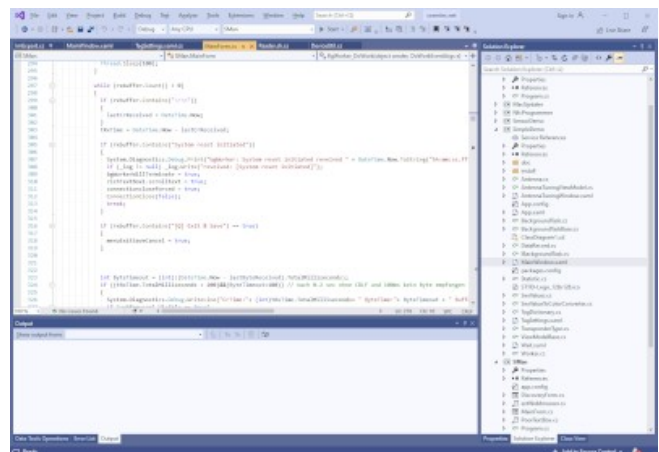
Typical use cases:

- Logistic UHF Reader Gates
- Item Tracking
- Automation technology
- Vehicle identification
- Animal identification

User Application Software Development

The user can create own applications for the SIL-9400 to integrate the device into existing infrastructures like ERP-systems or cloud applications. Depending on requirements, a monitor, keyboard and a mouse can be attached to control the application.
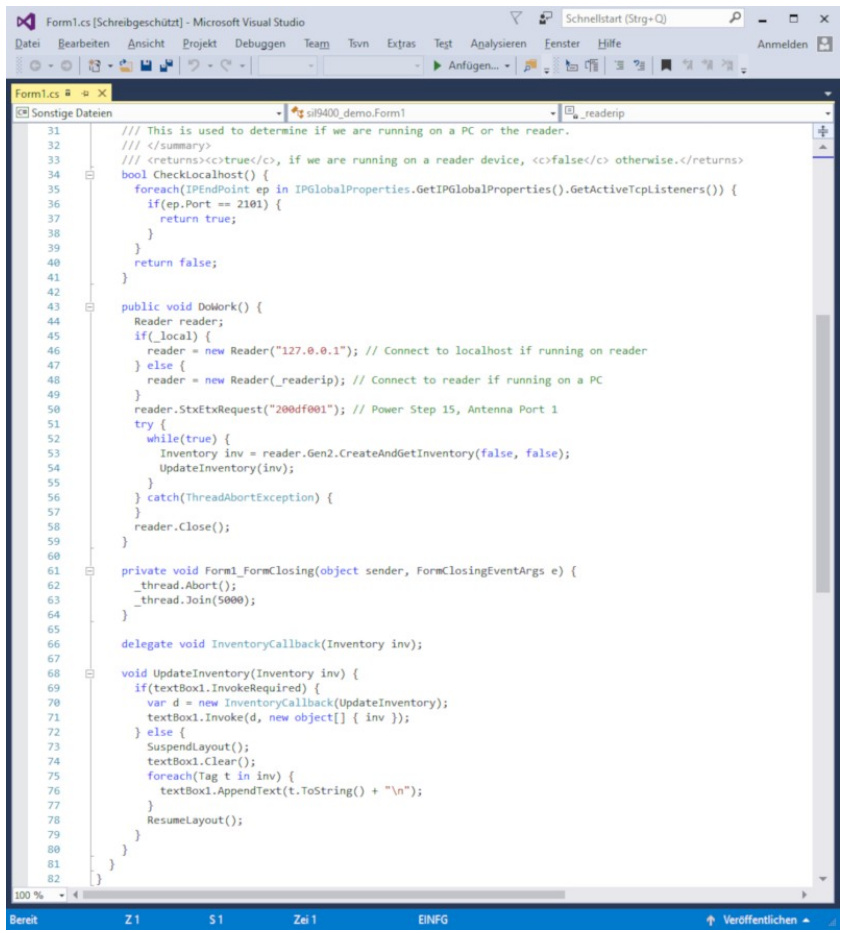The development can be done using Microsoft Visual Studio© or MonoDevelop© using the .NET or Mono-Framework. For access to the RFID protocol, a library is available.
After development, the user application is transmitted to the device by uploading the files with a web browser.

868 MHz Long-Range Reader / Writer
SIL-9400-MUX4

Software Tools

The development can be done using Microsoft Visual Studio© or MonoDevelop©
using the .NET or Mono-Framework. For access to the RFID protocol, a library is available.

Technical Data:

Dimensions: (l x w x h)	(160 x 105 x 38) mm / with connectors: (165 x 125 x 38) mm
Power supply:	12-24 V DC
Current consumption:	full operation 800 mA @ 24 V DC
Transmit frequency:	865.7 MHz to 867.5 MHz (see EN 302 208)
Antenna:	4 or 8 external antenna ports via SMA-connector
Output Power (conducted @50Ω):	1.7 W
Transponder:	ISO 18000-6C EPC Gen2
Interface:	USB 2.0, Ethernet, RS232
Housing:	Alu / IP20

Specifications are subject to change without notice

scemtec Transponder Technology GmbH

868 MHz Long-Range Reader / Writer
SIL-9400-MUX4

Operating temperature:	-10° to +50 °C

Order Information:

SIL-9400-MUX4	Order-No.:	220.9400
SIL-9400-MUX8	Order-No.:	220.9401

Accessories:

SAT-A26/26-LR-P-UHF-cir	Order-No.: 400.2626
SAT-A12/12-P-868MHz-cir	Order-No.: 400.2018
SAT-A13/13-P-868MHz	Order-No.: 400.1313
Cable-UHF-3m-SMA-N	Order-No.: 999.0346
Cable-UHF-6m-SMA-N	Order-No.: 999.0132
Cable-UHF-12m-SMA-N	Order-No.: 999.0153
MOUNT-A12/12-P-UHF	Order-No.: 999.0129
24 V Power Supply 2.7A EU	Order-No.: 999.0165
24 V Power Supply 1A EU	Order-No.: 999.0067