868 MHz Long-Range Reader / Writer
SIL-9500-MUX8

- 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 8 antennas
- RSSI Data Response
- 2 digital Inputs / up to 4 digital Outputs
- Monitor output
- USB Connector for Keyboard and Mouse

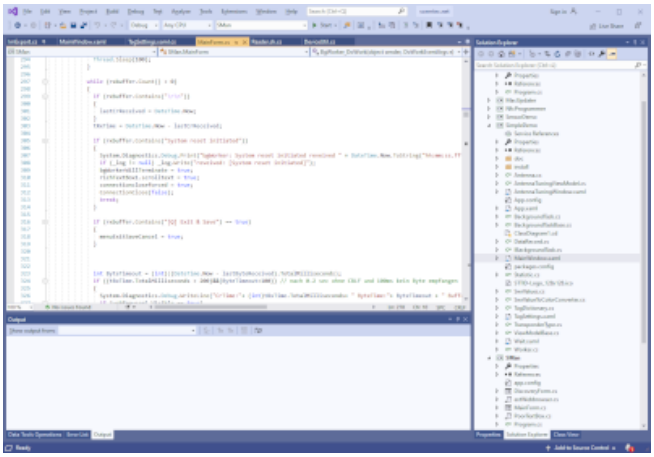
- Web Interface for configuration and firmware update
- Linux based operating system
- 1GB User Memory allows user creating own application software running on the reader

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-9500 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.
After development, the user application is transmitted to the device by uploading the files with a web browser.



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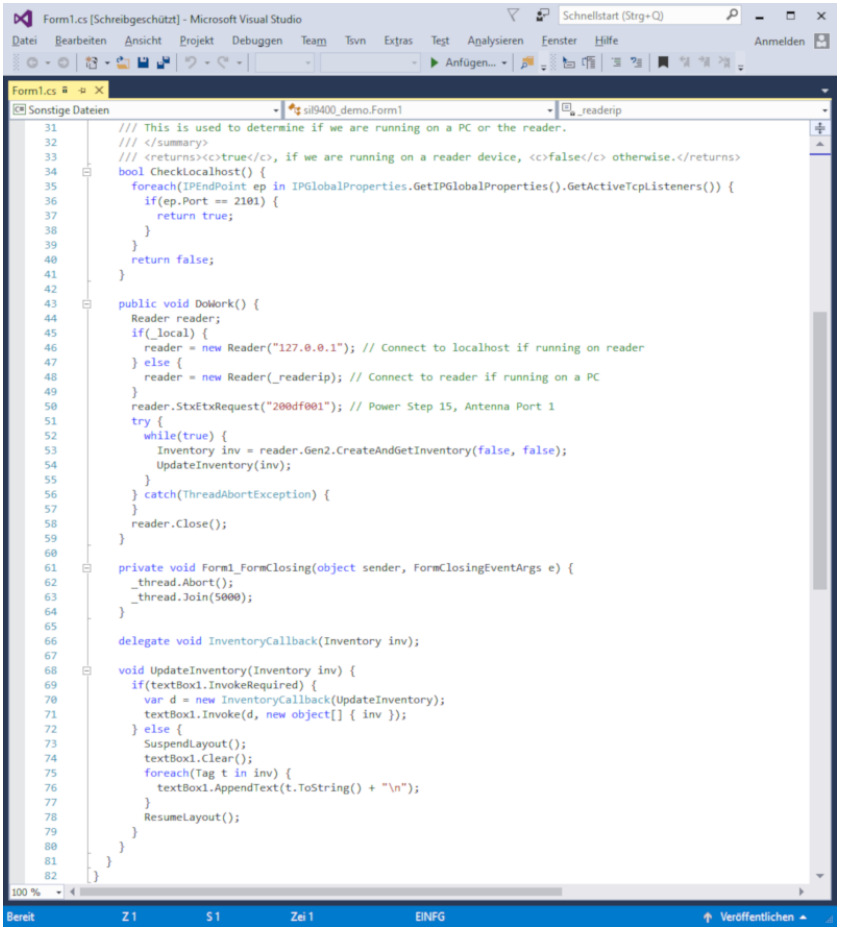
Software Tools



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.

scemtec Transponder Technology GmbH

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Technical Data:			
	SIL-9500-MUX8	SIL-9500-MUX8-H	SIL-9500-MUX8-IO
Comment		top-hat rail (DIN rail) mounting	additional outputs and RS232
Dimensions: (L x W x H) mm	190 x 115 x 42	165 x 120 x 42	190 x 125 x 42
Dimensions without connectors:	190 x 104 x 42	165 x 109 x 42	190 x 104 x 42
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:	8 external antenna ports via SMA-connector		
Output Power (conducted @50Ω):	1.0 W		
Transponder:	ISO 18000-6C EPC Gen2		
Ethernet Interface	1		
USB Interface:	Host: 2 x USB-A **or** Device: 1 x USB-C		
RS232 Interface:	1	1	2 1 on the rear panel
Potential-free outputs:	2	2	4 2 of them on the rear panel
Potential-free inputs:	2		
Housing:	Alu / IP20		
Operating temperature:	-10° to +50 °C		

Order Information:			
	SIL-9500-MUX8	SIL-9500-MUX8-H	SIL-9500-MUX8-IO
Order-No.:	220.9500	220.9501	220.9502

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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