


INDUSTRIAL READ / WRITE DEVICES

13,56 MHZ LONG RANGE READER

scemtec 13,56 MHz Long Range Reader SHL-2100



- 13,56 MHz RFID reader/writer for long range applications
- Multi-Tag compatible ¹⁾: I-CODE, TAG-IT and ISO 15693 I-Code UID and EPC and as an option VarioSens
- Reading distance up to 1,2 m with single antenna [test condition: 60 cm antenna, "ISO-Card"-size Tag] and up to 2,0 m with gate antenna
- Anti-collision
- EAS Function (electronic article surveillance)
- Interfaces: RS-232, USB (implemented), Ethernet (option)
- Option Antenna Multiplexer for multiplexing of up to 4 antennas with full power (4 Watt)
- Option reader synchronisation 1 master and up to 3 slaves
- Output power selectable by software (within approval range)
- Standing Wave Ratio (SWR) measurement included
- Different types of antennas available
- 2 digital inputs and 8 digital outputs
- Relay output is available to switch higher loads (potential free)
- Standard housing IP 66
- Firmware can be updated via RS 232 (flash on board)
- CE and radio approval 

Technical Data

Dimensions:	(l x w x h) (400mm x 200mm x 120mm)
Power supply:	24V DC / (230V AC)
Current consumption:	≤ 300 mA ("stand by mode") ≤1,5 A ("full operation")
Operation frequency	13,56 MHz
Reader output power	max. 4 W/50 Ω
Antenna:	customer specific
Interface:	selectable data transmission rates RS232 interface: 9600 Bits/sec, 19200 Bits/sec, 38400 Bits/sec, 57600 Bits/sec, 115 200 Bits/sec, 230.400 Bits/sec
operating temperature:	0°C to 50°C

SHL-2100 Order-No.: 230.2100

¹⁾ For details of supported transponder modes and functions, please refer to scemtec STX/ETX protocol specification.