

TAGscan Industry

Short Range RFID Reader



The **TAGscan** is a complete RFID Read/Write device with an integrated antenna which is waterproof and therefore is suitable for harsh environments. Two LED's show operational readiness and transponder reading.

Application Examples:

- > manufacturing
- > automation
- > industry applications
- > logistic applications
- > access control

Special Features:

- > multi read/write protocol
- > waterproof IP67
- > strong and small housing
- > reading distances up to 100mm

TAGscan types:

TAGscan LF

125/134.2kHz

TAGscan MIFARE

13.56MHz

ISO14443A

TAGscan HF

13.56MHz

ISO15693+

ISO14443A+

ISO14443B

Technical data:

Housing	Plastic ABS
Dimensions (WxHxD)	80 x 80 x 20 mm
Weight	250g
Protection Class	IP67
Power Supply	5VDC or 12VDC
Current Consumption	150mA
	< 10mA at power down mode
Operating Frequency	125/134.2kHz or 13.56MHz
Interfaces	RS232 or USB 2.0 RS422/RS485
Host Communication	point-to-point
Communications Protocol	Specific ASCII (Not for RS485) or Binary Protocol
Communications	9600Bit/s to 115kBit/s, 8, N,1
Firmware Boot-Loader	Supported Via Serial Interface
RF Transmission Speed	up to 848kBit/s
Operating Temperature	-20°C to 80°C
	-4F to +176F
Storage Temperature	-40°C to +85°C
	-40F to +185F
MTBF	200.000 h
Approvals	ETS 300-330, CE, FCC part 15, RoHS Compliant

TAGscan

LF 125/134.2 kHz

RF Transmit Frequency	125kHz, 134.2kHz		
Supported Standards	ISO 11784, ISO 11785, ISO 18000-2		
Supported Tag-ICs	Hitag 1	Q5	TI-RFID Systems 134.2 kHz 64Bit R/O
	Hitag 2	EM4X02	TI-RFID Systems 134.2 kHz 64Bit R/W
	Hitag S	EM4X05 (ISO FDX B)	TI-RFID Systems 134.2 kHz 1088Bit
Typical Read Time	59ms Serial No. Hitag S	58ms Serial No.	93ms Serial No. TI-RFID Systems 134.2 kHz
	30ms Serial No. Hitag 2	95ms Serial No.	64Bit R/O

TAGscan

MIFARE

RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A		
Supported Tag-ICs	mifare® Standard mifare® 4k 4 Byte UID	SLE66R35 SLE44R35	ISO 14443A Tags
	mifare® Pro X		
	mifare® Ultralight mifare® DESFire (Serial No. only)		

TAGscan

HF 13.56 MHz

RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, ICODE 4 Byte UID		
Supported Tag-ICs	mifare © Standard mifare © 4k mifare © Pro mifare © Ultralight mifare © DESFIRE mifare Standard: 4 Byte UID	SLE 55Rxx SRF55VxxP+S SLE 66CL160S SLE 66CLX320P SR176	Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML
	mifare © SmartMX	SRIX4K	ASK GTML2ISO
	I-CODE SLI (SL2 ICS 20)	LRI 64	TOSMART
	I-CODE EPC (SL2 ICS 10)	LRI 512	ISO14443A Tags
	I-CODE UID (SL2 ICS 11) I-CODE	EM4135 KSW Temp Sens ©	ISO14443B Tags ISO15693 Tags

PIN specification 5VDC Standard

INTERFACE RS232

PIN	cable color code
GND ground	brown/grey
+5 VDC	pink
+12 VDC	blue
RS232 -RX	green
RS232 -TX	yellow

Standard specification

- > Interface: RS232
- > 5VDC power supply
- > side cable exit

Customised specification

- > up to 10 pcs. on request
- Customised for example
 - > rear cable exit
 - > Interface: RS485
 - > Layout Design
 - > cable length
 - > 12 VDC power supply

