

ChipScan

Smart Label Gun

CCD Barcode Scanner with Integrated Read / Write Electronic for RFID Transponders

The combination of Barcode reading and RF/ID identification including the option to write data to a transponder has been developed for applications in asset tracking and secure identification of persons and products in hospitals, industrial and commercial areas.

The high performance Barcode scanner has the newest and most up to date dual CCD scanner. The RF/ID reader, based on the **MicroEngine** is a R/W electronic for RFID Transponders for 125 kHz, 134 kHz, 13,56 MHz.



- ✓ reading distance up to 15 cm, depends on transponder type

- ✓ Easy to connect on RS 232 or as Keyboard Wedge.
- ✓ Plug and Play
- ✓ No software needed.
- ✓ Just one unit, one cable, one interface for Barcode and RF/ID
- ✓ LED indicator
- ✓ Good read Beeper
- ✓ Ergonomic design
- ✓ Light weight
- ✓ Ready for GemWave
- ✓ Best selling: **I Code** and **Tag It**
- ✓ Low power consumption, power save mode
- ✓ integrated antenna

ChipScan – Smart Label Gun

Ordering Code:

CCD – Barcode Scanner with integrated Read / Write electronic for transponders Barcode scan distance up to 300 mm, transponder R/W distance up to 150 mm, Trigger Switch	
Type: 2x2S-RZ88	13,56 MHz Smart Label Gun, 5 VDC, RS232 cable, including power supply
Type: 2x2S-KZ88	13,56 MHz Smart Label Gun, 5 VDC, RS232 cable, incl. power adapter for PS2 keyboard
Type: 2x2S-WZ88	13,56 MHz Smart Label Gun with trigger switch, 5 VDC, Wedge cable, (R/O)

- x ... **3** for HITAG
- x ... **6** for 125 kHz transponders and 134 kHz ISO animal
- x ... **7** for GemWave from GemPlus
- x ... **8** for I-Code from Philips
- x ... **9** for Tag-it from TI

Technical data:

CCD - BARCODE Reader	
Optical System	3000 pixels high density dual CCD technology
Resolution	0,125 mm (5 mil), Code 39, PCS = 90%
Scan Angle	30°
PCS Value	30% or more
Light Source	Visible LED (Wave Length 650 nm)
Scanning speed	300 scan/sec
Reading distance	300 mm (12") EAN 1, PCS 90%

RF/ID Transponder Read/Write Electronic	
Technology:	13,56 MHz or 125 kHz or 134 kHz
Transponders	Most of the common transponders in the market
Read/Write Speed	Up to 24 kBit / sec. (Write and Read back of 2 kBit > 1,5 sec.)
Read/Write distance	Up to 150 mm

Electrical	Environment
Supply Voltage 5 VDC +/- 5 %	Operating Temperature 0° C - 40° C
Operating Current 150 mA typical	Storage temperature -20° C – 60° C
25 mA stand by current	Humidity 20 % RH – 85 % RH (non condensing)
Mechanical	Ambient Light Rejection 1500 LUX max Fluorescence
Cable Length Straight (2 m), Option coiled	800 LUX max. (Sunlight)
Connector type Sub D 9 pin or Keyboard connectors if Wedge cable	
Case Material ABS Plastic	Weight 180 g exclude cable and connector

General Features:	
Multi Interface	Keyboard Emulation, C-MOS Serial and Wand Emulation, all in one unit
Type of Keyboards emulated	IBM PC/XT/AT, IBM PS/2 Model 30-80, IBM 5550, 5530-SC, 5530-ZS, IBM 3196, 3472/3477, 5395 Terminal, NEC 9801, Apple MAC and more
Readable Codes	Code 39, Full ASCII Code 39, Interleaved 2/5, UPC A, UPC E, EAN/JAN 8, EAN/JAN 13, ISBN/ISSN, Code 128, EAN 128, Code 93, IATA, MSI, Plessey, Codabar, and many more.....
Programmable Built-In Decoder	Type of Interface, Code Type selection, Check Digit Selection, Decoding Option Transmitted Character Delay, Header Selection, Trailer Selection, Good Read Beep Tone, Bar-Code identifier, RF/ID Identifier, Keyboard Type and Keyboard Language
Serial Interface Type	ACK/NAK, Xon/Xoff, RTS/CTS, Baud rate, DataBit, Stop Bit, Parity