User Guide

125 kHz Proximity Reader Module

(nano-1)

EM Read Only, 125KHz +5V
22 x 22 x 9(mm)
WEG26 (w/ Internal Antenna)

Document version: 1.3

About Taiwan Batag RFID technology co., ltd.:

Taiwan Batag RFID technology co.,ltd. is a specialized manufacturer and supplier of RFID devices and transponders with over 10 years of professional RFID experience. We are unlike our competitors in that we are comprised of Barcode and Telecom companies that have been established for over 15 years.

Currently our major products include LF (125 kHz, 134.2 kHz), HF (13.56 MHz) and UHF (868 MHz, 915 MHz) RFID devices that are manufactured in popular RFID technologies including TI, TK4100, EM4100, EM4102, T5557, Hitag 2, Mifare 1K (S50), Mifare 4K (S70), Mifare UltraLight, Mifare DESFire, I.CODE SLI, SLE 66R35, Legic MIM256 and MIM1024, etc.

We not only provide and integrate our hardware but we also tailor the needs of our customers.

"Based in Taiwan, Advancing our horizons, and Expanding RFID products all over the world; we are Taiwan Batag RFID technology co., ltd."

Taiwan Batag RFID technology co., ltd.
Website: http://www.batag.com and http://www.batagrfid.com
Address : 8F., New Silicon Valley Commercial Bldg., 18 Alley 1, Lane 768,
Sec. 4, Pa Teh Rd., Taipei 115 Taiwan
Tel :(886-2) 27885385, (886-2) 27885556
Fax:(886-2) 27885389
Email: info@batag.com
itag technology (H.K.) co.,ltd. Rm 1206 Kodak House II, 39 Healthy St. E., North Point, Hong Kong

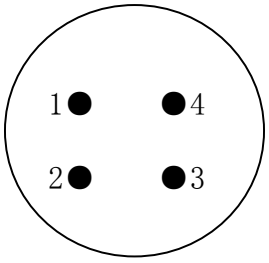
Power Requirement:	5v@13mA nominal
Frequency:	125KHz
Card Format:	EM 4001 or compatible
Encoding:	Manchester 64 bit, modulus 64
I/O Output Current:	20 mA sink/source
Drive Current:	300 mA
Antenna Volt:	100 Volt PKPK
Baud rate	9600. N. 8. 1
Dimension	round (Φ22mm) thick (9mm)

Data Structure Wiegand26 Bit

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
P	E	E	E	E	E	E	E	E	E	E	E	E	O	O	O	O	O	O	O	O	O	O	O	O	P
EVEN PARITY(E)													ODD PARITY(O)												

P=Parity Start Bit and Stop Bit

Bottom View



Wiegand 26

Pin 1 +4.6through+5.5V Supply DC volts
Pin 2 Zero Output
Pin 3 One Output
Pin 4 Ground 0v Zero volts and Tuning Capacitor Ground