

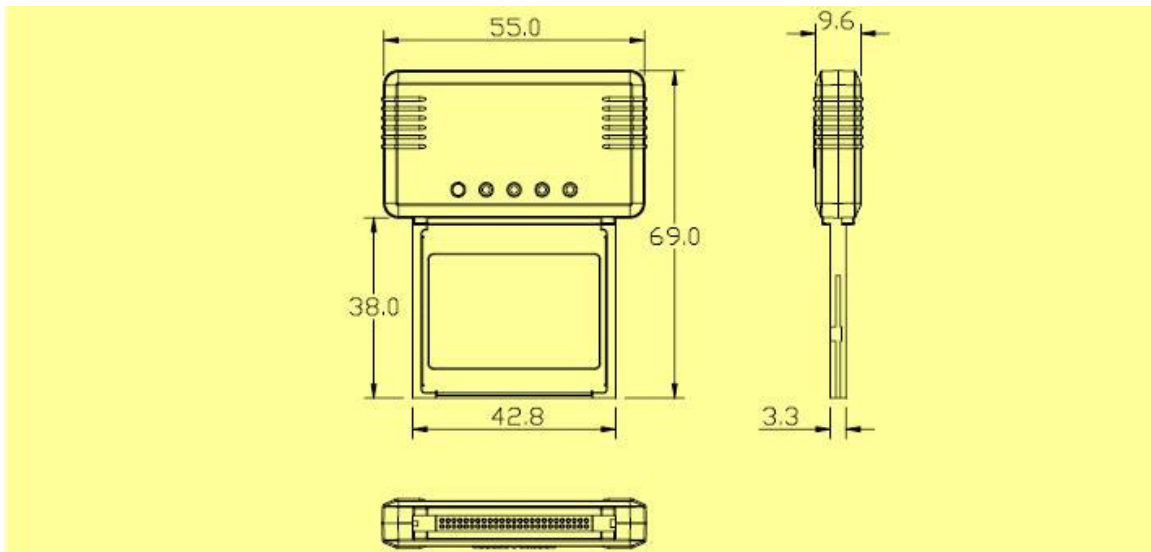
CF9931 HID Mobile Reader

Power Requirements	: From PDA (CF connector)
Housing	: CF card Type I
Baud Rate	: 19200 bps
Data Structure	: STX,DATA,CR,LF
Frequency	: 125 KHz, FSK
Read distance	: 2~5 cm
Transponders supported	: HID Proximity Card
Technical certificates	: CE , FCC
Dimensions	: L69.0x W55.0x H9.6 mm with cover
Weight	: Approx. 30g
Environment	: Operating Temp : -10 ~ + 60 Deg.c
Storage Temp	: -20 ~ + 65 Deg.c
Humidity	: 10 ~ 90 relative

Plug into HP iPAQ PDA



Dimensions:



Data Format:

Data Format : AA NB D1 D2 ...Dn CS BB in Hex format

AA : BOF
NB : Number of BITs (card no.), includes parity bits
D1 D2 ...Dn : No. of bytes outputs
CS : Checksum, NB xor D1 xor D2 ... Dn
BB : EOF

Example :

Wiegand 26 bits format, F/C is 123, Card no. is 23456, with Even & Odd parity check.

Original data in card is : **0** **01111011** **0101**~~**101110100000**~~ **0**

0 is even parity check for **01111011 0101**

~~**0**~~ is odd parity check for ~~**101110100000**~~

Data format will be added leading zeros to be a nearly eight's multiple (26 -> 32)

Then the reformat card bits output is 000000**00** **11110110** **10110111** **01000000**

In Hex format : **00 F6 B7 40**

AA : BOF
NB : 1A (26 in decimal format)
D1 ... D4 : **00 F6 B7 40**
CS : 1B = 1A xor 00 xor F6 xor B7 xor 40
BB : EOF

Therefore, the data output in Hex format is AA 1A 00 F6 B7 40 BB.