



Datasheet (ver. 1.1)

Product P/N	RAD-M215-070	Product	125kHz Proximity HID Reader
Product Classification: USB HID (Human Interface Device) Reader for EM compatible tags, works as virtual keyboard			
Dimensions: L100 * W62 * H16 (mm) with Internal Antenna			
Specification			
Operating Frequency	125 kHz		
Interface	USB 2.0 (No need to install device driver)		
Power Requirement	DC 4.75V ~ 5.25V		
Electric Current	≤ 50 mA / DC5V		
Read Function	Read Only		
Card Types	EM or TK4100 compatible		
Reading Distance	60 ~150 mm (depend on tag and environment)		
Reading Speed	≤ 0.2 second		
Indicators	Red LED (Power on), Green LED & Beep (Read)		
Operation Temperature	0℃ ~ + 50℃		
Storage Temperature	-10℃~ +60℃		
Color	Black		
Weight	100g		
Bundled CD	1. An utility with 6 ID formats output mode settings (Utility is only workable on Win7 and above, but HID reader is for Win XP and above) 2. Modes setting user's manual		

If the original 10 characters Hexadecimal EM ID is 5B59B3E842, output could be:

Modes	Output	Output Format Explained
Mode1 (8H10D)	1504962626	59B3E842 = 1504962626
Mode2 (6H8D Wiegand26)	17959458	B3 = 179, E842 = 59458
Mode3 (8H)	59B3E842	Take last 8 hexadecimal characters
Mode4 (10H)	5B59B3E842	Original 10 chars. hexadecimal EM ID
Mode5 (10H10D)	2346986562	5B59B3E842 = 2346986562
Mode6 (6H8D)	11790402	B3E842 = 11790402

Note: This reader **works as a virtual keyboard**, any application software (ex. Excel, Word, Notepad or even programs created by yourself) where you can enter text will automatically receive the data being sent from the reader. You can set output length, prefix and postfix characters and whether to insert end-of-line character by accompanying utility program.

Reader can be used on **Android devices having USB OTG capability**, but users need an additional OTG cable to connect the two. Smartphone's original virtual keyboard won't be functioning while using this reader, though.