

RFIDatawedge – World-class UHF RFID Desktop Reader Kit

- Simple Gen2 UHF RFID reading
- USB based interface
- No programming required
- Data is placed at the cursor and looks like it was typed!
- Works with any application, including Microsoft Word, Excel, Access, or Notepad



The **RFIDatawedge** kit includes a ThingMagic USB GEN2 UHF reader with needed utilities that place the RFID data into any PC application. The data looks as if it was typed into the spot by a user – eliminating any programming or changes to your applications. The **RFIDatawedge** utility has the ability to format the data in a way that is useful to most users.



Users can format and filter RFID tag reads based upon their needs, including:

- Filter tags based on a prefix or suffix
- Read 1 unique tag per read cycle
- Allow multiple tags to be read within one cycle
- Write RFID tags easily read

RFIDatawedge Kit Features, Functionality, and Services!

- Reads UHF GEN2 Tags
- Simple USB interface
- No external power supply
- No programming, simple Windows utility
- Strip leading/trailing zeros
- Data is looks like it was typed into the PC
- Filters RFID tags to allow only YOUR tags
- Allows for multiple tag reads
- Read 1 unique tag at a time
- Includes Reader, USB cable, and Utilities

Specifications

Tag / Transponder Protocols		Power	
RFID Protocol Support	EPCglobal Gen 2 (ISO 18000-6C) with Anti-Collision and DRM	DC Power Required	DC Voltage: 5 VDC (Powered by USB interface) DC Power: 2.9 W (570 mA) max Supplied interface cable terminates in two type-A plugs: one for power and signal, the second for additional power if needed
RF Interface		Idle Power Consumption	1.7 W max at idle (Power management modes can be used to reduce this to as little as 0.1 W)
Antenna connector	Internal ceramic antenna with an average gain of -2.6 dBi from 860 to 960 MHz	Architecture	
RF Power Output	Separate read and write levels (into the antenna) are command-adjustable from 10 dBm to 23 dBm (200mW), +/-1.0 dBm accuracy	RFID ASIC	Intel/Indy R1000
Frequency	Pre-configured for the following regions: FCC (NA, SA) 902-928 MHz ETSI (EU) 865.6-867.6 MHz, 869.85 MHz MIC (Korea) 910-914 MHz SRRC-MII (P.R.China) 920-925 MHz 'Open' (Custom) 860-960 MHz	User-accessible Flash Memory	16 kB
Data/Control Interface		Tag Buffer	200 tags
Physical	USB mini-B connector, with 2 foot (61 cm) cable terminated in A-type plug)	Performance	
Signaling	Asynchronous serial interface with 3.3/5V logic levels; baud rates from 9600 to 921,600 bps	Tag Read Rate	Up to 190 tags/second
I/O	Two I/O command controlled LEDs and two I/O command queried switches	Tag Read Distance	Up to 12 inches (31 cm) depending on tag sensitivity and orientation
Protocol	Command-response protocol protected by length field and 16-bit CRC	PC Utility Software	
Physical		Operating Systems	Windows XP, Vista
Dimensions (not including stand)	3.8 in L x 2.4 in W x 1.0 in H 97 mm L x 61 mm W x 25 mm H	Auto-Start	On/Off
Environment		Filter	Prefix-Suffix: Wildcards Prefix-Suffix: CR, Tab, User-Defined
Regulatory	FCC 47 CFR Ch. 1 Part 15 Industrie Canada RSS-21 0 ETSI EN 302 208 ETSI EN 300 220	Tag Reads	Multiple Tags Single Unique Tags
Operating Temp.	-20C to +60C	Tag Writes	96 bit
Storage Temp.	-40C to +85C		