



## PRFD-1: Proxima RF Desktop

### Plug & Play 13.56 MHz USB Reader

Our Read/Write Desktop RFID Reader saves you the time and effort that would be spent on hardware design and manufacturing.

The Proxima RF plug and play desktop reader is ready to scan right out of the box – with no external antennas required to get immediate functionality.

It can be used with most industry standard 13.56 MHz high frequency tags and smart labels. Power is provided by the USB connections – no external power source is needed.

The reader is ideal for quickly setting up desktop applications or for developing or integrating HF RFID solutions to existing or new backend software. The Proxima RF™ Universal API, available in our starter kit, is an easy XML based interface between the RFID Reader/Writer and your existing or new C++, .NET or Java application so developers can quickly implement RFID and minimize time to market.



#### System Integrator Starter Kit includes:

- Ready-to-use demonstration tools which let you insert your logo
- Universal Application Programming Interface (API) helps developers interface between applications and Proxima RF RFID modules
- Assortment of RFID demo tags

#### Need an embedded HF reader?

- OEM and private label options available on request.

#### Need RFID Security?

- Compatible with 64 bit Atmel CryptoRF tags

#### Need Sensors with HF readers?

- Compatible with the Melexis EVB 90129 sensor evaluation board
- Compatible with the Melexis 90129 sensor transponder IC for all resistive sensing requirements

#### Tag Support:

Compatible with all ISO 15693 tags, and ISO 14443B tags using CryptoRF protocols.

#### Specifications:

<b>Regulatory</b>	FCC/CE/IC certified	<b>Operating</b>	-4°F to 158°F
	RoHS compliant	<b>Temperature</b>	(-20 °C to +70 °C)
<b>Read Range</b>	Up to 5" or 125mm, tag dependent	<b>Physical</b>	Length: 4.5" (11.5 cm)
			Width: 3.0" (7.7 cm)
			Depth: 1.0" (2.3 cm)
<b>Indicators</b>	Green LED for power		
	Blue LED on field activation	<b>Antenna</b>	Internal
<b>RF Frequency</b>	13.56 MHz	<b>Housing</b>	Polycarbonate
<b>RF data rate</b>	36kbps (ISO15693)	<b>Input Voltage</b>	5V (USB)
<b>Current</b>	0mA sleep, <20mA idle and	<b>Host Interface</b>	USB1.1/2.0
<b>Consumption</b>	<95mA scanning	<b>Customization</b>	Embedded design for OEM
			Private labelling available

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