

UHF RFID Desktop Reader/Writer

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1、 Product number: **USB Plus-Nano**





2、Product performance

<p>The radio frequency chip uses Thingmagic-Nano module</p>	<ul style="list-style-type: none"> ◆ The reader uses the most cost-effective UHF RFID module in the industry.
<p>Use the highest performance components</p>	<ul style="list-style-type: none"> ◆ Using a 50mm x 50mm dual-feed ceramic antenna, there is no blind zone for reading and writing tags. ◆ Use FT232 USB to serial chip to provide the most stable USB communication in the industry. ◆ All the components of the highest level are used, and the temperature drift coefficient is extremely low, which can work in harsh environments.
<p>Excellent label reading performance</p>	<ul style="list-style-type: none"> ◆ The label reading distance has a wide range, adjustable from 1cm to 3m to suit different applications. The industry's highest success rate of label writing. Multi-label recognition capability: >200 labels. ◆ Label recognition speed: >200 sheets/sec.
<p>Professional and fast interface</p>	<ul style="list-style-type: none"> ◆ Support USB 2.0 interface. ◆ Support USB power supply.
<p>Very low power consumption</p>	<ul style="list-style-type: none"> ◆ Long-term continuous full-load work at room temperature without heat. Continuous working current <500mA@ 5.0V (267dBm Output). ◆ Standby continuous current <0.025mA@ 5.0V (0dBm Output).
<p>Excellent consistency</p>	<ul style="list-style-type: none"> ◆ A model of consistent design. All indicators have been strictly calibrated. Ensure consistency.
<p>Simple and efficient software interface</p>	<ul style="list-style-type: none"> ◆ It is compatible with the communication interfaces of all Thingmagic products and can be easily interchanged.

Supports two installation methods at the same time	<ul style="list-style-type: none"> ◆ Can be used as a desktop card issuer. It can be wall- ◆ mounted and used as an access control machine.
Optional cover color	<ul style="list-style-type: none"> ◆ Optional color: pearl white.

3. Electrical performance

Operating Voltage	DC -5.0V。
Standby current	<0.025mA。
Working current	Continuous working current <500mA@ 5.0V (267dBm Output). Standby continuous current <0.025mA@ 5.0V (0 dBm Output).
Start Time	<10mS。
Operating temperature	- 30 ℃ - + 70 ℃
storage temperature	- 40 ℃ - + 85 ℃
Working humidity	< 95% (+ 25 ℃)
Air Interface protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Working spectrum range	902Mhz – 928Mhz 865MHz – 868MHz(Optional)
Work area support	US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 Mainland China Japan Korea Malaysia Taiwan
Output power range	0-27dBm
Output power accuracy	+/- 0.01dB
Output power flatness	+/- 0.01dB
Receiving sensitivity	< -86dBm
Inventory label peak speed	> 200 张/秒
Tag buffer	200 labels @ 96 bit EPC
Label RSSI	Support
Communication Interface	USB 2.0
Communication baud rate	115200 bps (default and recommended)

4. Interface definition



USB2.0

PIN	definition	Description
1	USB2.0	Standard USB2.0 (5V1A)