

## INTRODUCTION

The Vulcan RFID Ember is a compact, versatile, plug-and-play, UHF RFID reader specifically designed to deliver precise reads without complexity.



The Vulcan RFID Ember features:

- Built-in antenna for accurate UHF RFID tag reading.
- Two operating modes: autonomous for automatic reads and transparent for software development.
- USB-powered with Type-A male connector for easy plug-and-play setup.
- Compatible with Windows, Mac, and Linux.
- Keyboard wedge emulation for seamless system integration.
- Ideal for access control, inventory management, asset tracking, and warehouse logistics.
- Compatible with Vulcan RFID Read, Write & Verify Software for simplified tag encoding and verification.

In the box: Vulcan RFID Ember Reader & Integrated USB Cable

## **GETTING STARTED**

## SETUP METHOD 1 AUTONOMOUS MODE

The reader's default mode is autonomous mode, where the reader transmits data via keyboard emulation.

- 1. Plug the reader's USB cable into your computer's USB port.
- 2. To read a tag, put your cursor into any text field and place a tag on top of the reader. The tag data will populate in the text field.
- 3. To easily turn off/on tag reading, quickly press the Caps Lock key twice (Windows and Linux only). The green LED will turn off, and the red LED will flash slowly, indicating that the reader is idle.



## SETUP METHOD 2 TRANSPARENT MODE

In transparent mode, the reader is controlled by software built using the ThingMagic Mercury API, such as the Universal Reader Assistant software.

To easily switch between autonomous and transparent modes, quickly press the Caps Lock key five times (Windows and Linux only).

Note: This shortcut will only work when the reader's serial port is not connected/not currently being used by a software.

1. Open the Universal Reader Assistant software. The software should detect and display the connected reader.

O Universal Reader Assistant - Connection Wizard									
Universal Reader Assistant Connection Wizard									
Select Reader	Connection Settings	Connect/Read							
•	O	— O							
Please Select a Reader									
Reader Type : ③ Serial Reader  Network Reader  Custom Transport Reader									
Reader Name :	USB Serial Device-48230067952238269+ (( ~								
	Refresh								
		Next Skip							
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- 2. Click Next. Choose your region of operation, and select Antenna 1.
- 3. Click Next and then click Connect & Read to begin reading tags.

🌍 Univer	sal Reader Assistant 6.3									-	0	×
Reader : Mée Nano (CDM13) 🔴 Reading 🛛 Disconnect 🚺 🔛 🌡 47°C 🛔 🕜											JADA A Nevente Corr	K
Tag Re	esults Tag Inspector	Write EPC	User Memory	Lock Tag	Untraceable	Authenticate		😹 Settings/	Status			<b></b>
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2	E2801191A5040072D28EE	0743	02:55:26.935	PM		48	3					-
3	E2801191A5040072D290F	2D3	02:55:26.917	PM		42	2	Reader Ty	pe :      Serial      Network      Custo	m Iransport		
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6	E2801191A5040072D28F2	2893	02:55:26.913	PM		45	2		Transport Logs			
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8	000000000000000000000000000000000000000	0024	02:55:27.048	PM		59	3					
9	E2801191A5040072D290	F2F3	02:55:27.034	PM	-	49	3	Baud Ra	ate : 115200 ~			
10	E2801191A5040072D28E0	C3E3	02:55:26.927	PM	-	46	2	David	NA2			
11	000000000000000000000000000000000000000	0043	02:55:26.862	PM		57	1	Regi	on: the			
12	000000000000000000000000000000000000000	0016	02:55:26.876	PM	-	61	1					
13	E2801191A5040072D28EE	0723	02:55:27.074	PM		58	1					
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15	000000000000000000000000000000000000000	0014	02:55:27.149	PM		52	2	Load	d Save			
16	000000000000000000000000000000000000000	0033	02:55:27.090	PM		51	1					
17	000000000000000000000000000000000000000	0150	02:55:27.094	PM	-	49	1	Read/Wri	ite Options			
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Scan the QR code or visit www.vulcanRFID.com/support to view more information on setting up and using the Vulcan RFID Ember UHF RFID Reader.

