



Product Family | UHF RFID Reader
Product Code | VUL-USB-IRON-INTANT-ENC-XX*
**Please see supported regions for specific product code*

IRON

USB Reader

The Vulcan RFID Iron USB Reader is a small form factor, lightweight, high-performance USB reader. The Iron requires an external controller, like a computer.

The case is 3D printed plastic with a metal backplate and rubber base, which allows for durable mounting. The Vulcan RFID Iron is compatible with ThingMagic's application development tools, including Universal Reader Assistant, which allows rapid creation of solutions to support a wide range of applications and integration into existing systems using JADAK ThingMagic's platforms. The Iron is also compatible with the Vulcan RFID UHF Tag Read & Write Software, which has a user-friendly interface that streamlines the encoding process and is designed to eliminate the tedious process of encoding tags by hand.

The Vulcan RFID Iron USB Reader is great for a variety of applications, including but not limited to:

- Access control
- POS (Point of Sale)
- Embedded Applications
- Tag/Inlay Verification





Specifications

ELECTRICAL	Operating Frequency:	FCC (917.4 - 927.2 MHz)
		ETSI (865.6 - 867.6 MHz)
	Air Interface Protocol (Autonomous Mode):	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C
	Transmit Power:	Programmable from 0 dBm to 27 dBm in 0.5 dBm steps
	Max Read Rate:	Up to 150 Tags/Second
	Max Read Distance:	Testing Recommended
	Data Interface:	USB
	Power Source:	USB Cable
MECHANICAL	Antenna Ports:	None/Integrated Antenna
	Dimensions:	72 x 72 x 23 mm (2.83 x 2.83 x 0.91 in)
	Weight:	0.08 kg (0.18 lbs)
ENVIRONMENT	Operating Temperature:	-20°C to +50°C (-4°F to +122°F)
	IP Rating:	IP 50
APPLICATION INTERFACE	Host API:	Java, C#, C/C++
	Recommended Software:	Vulcan RFID Read, Write, & Verify


VULCAN RFID™
VUL-USB-IRON-INTANT-ENC-US

Regions	FCC:	(917.4 - 927.2 MHz)
	ETSI Upper EU:	(917.4 - 918.7 MHz)
	KCC Korea:	(917.4 - 923.5 MHz)
	MIC Japan:	(917.4 - 923.5 MHz)
	ACMA AU:	(920 - 926 MHz)
	NZ New Zealand:	(922 - 927 MHz)
	SRRC-MII P.R.China:	(920.125 - 924.875 MHz)
	MY Malaysia:	(919 - 923 MHz)
	ID Indonesia:	(923 - 925 MHz)
	PH Philippines:	(918 - 920 MHz)
	TW Taiwan:	(922 - 927.2 MHz)
	MO Macao:	(920 - 925 MHz)
	SG Singapore:	(920 - 925 MHz)
	TH Thailand:	(920 - 925 MHz)
	AR Argentina:	(917.4 - 927.2 MHz)
	BD Bangladesh:	(925 - 927 MHz)

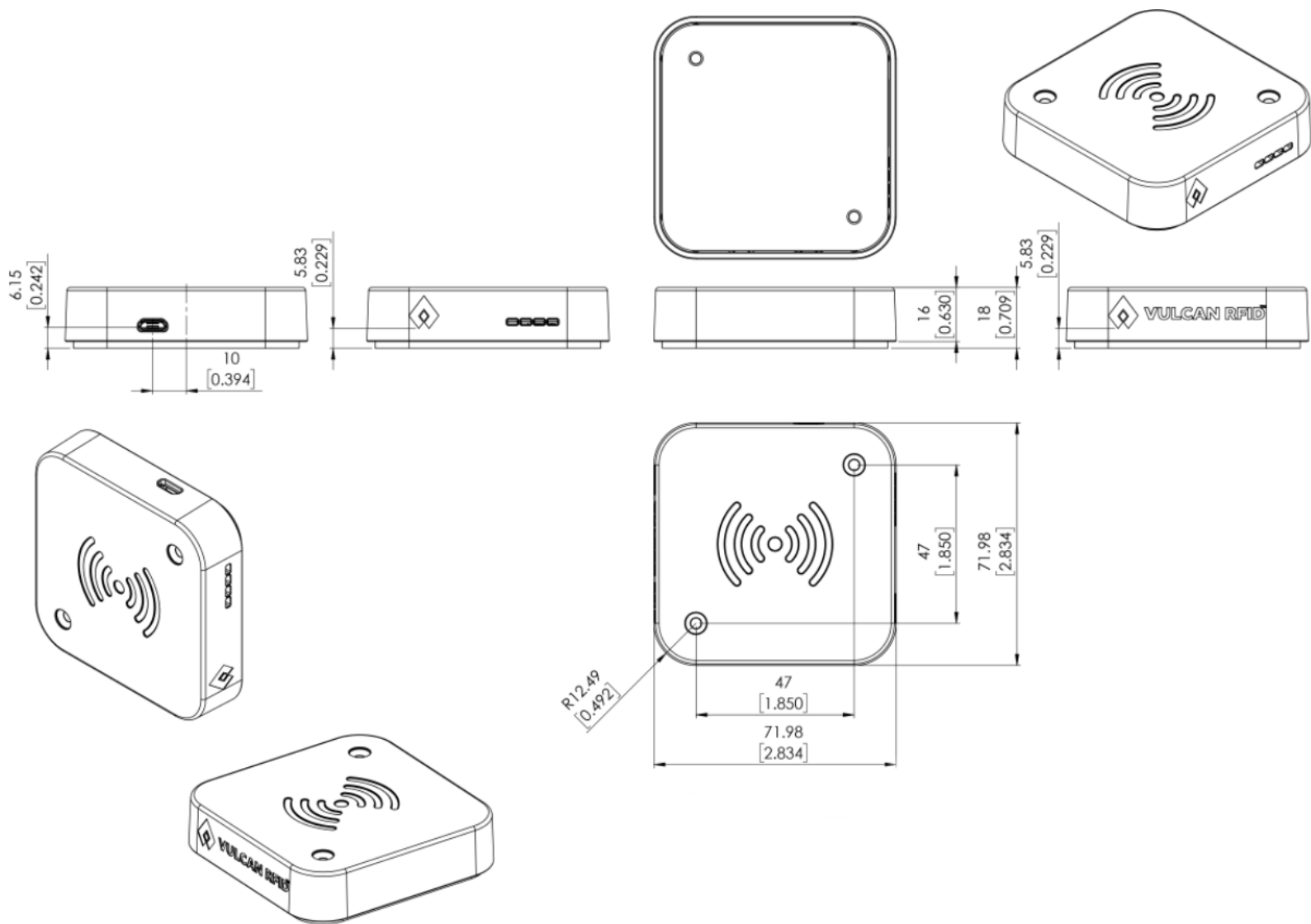
VUL-USB-IRON-INTANT-ENC-EU

Regions	ETSI EU:	(865.6 - 867.6 MHz)
	TRAI India:	(865.6 - 867 MHz)
	RU Russia:	(866 - 868 MHz)
	VN Vietnam:	(866 - 867.6 MHz)
	HK Hong Kong:	(865.6 - 867.6 MHz)



Diagrams

Units in millimeters and [inches]





Accessories & Compatible Products

Vulcan RFID Power Mapper



VUL-MAPPER

Vulcan RFID Read, Write & Verify



VUL-UHF-READ-WRITE-SOFTWARE

RFID Tag Sample Pack



RFID-TSP



About Vulcan RFID Products

Vulcan RFID offers a broad range of innovative RFID readers, antennas, custom RFID tags, and accessories suited for a wide variety of industries and applications. Designed to deliver superior accuracy and reliability, Vulcan RFID products offer exceptional flexibility and performance. Vulcan RFID delivers an extensive product portfolio that includes both UHF and NFC products that support a large variety of market solutions. Manufactured to withstand environments ranging from mild to extreme, Vulcan RFID products enable end-users to reach and sustain high levels of performance in the UHF or NFC frequency bands.



Vulcan RFID Readers

Vulcan RFID offers high-performance RFID readers that are easy to install, configure, and integrate.

[Shop Now](#)


Vulcan RFID Antennas

Vulcan RFID offers an extensive collection of UHF RFID antennas designed to maximize the RF performance and coverage area of an RFID system.

[Shop Now](#)


Vulcan RFID Tags & Inlays

Vulcan RFID offers a broad range of RFID labels, tags and inlays built to withstand environments ranging from mild to extreme.

[Shop Now](#)


Vulcan RFID Accessories

Vulcan RFID provides a variety of high-quality accessories, RF hardware, and cables.

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