

JA-191T Dual RFID USB Reader

JA-191T facilitates comfortable management of access RFID cards or key fobs in JABLOTRON systems, the device operates utilizes 125 kHz and 13,56 MHz frequencies. The reader is activated by connecting it to a USB port of a computer running Windows 10 or 11.

Application

- Reading of RFID cards and key fobs for alarm systems.
- Management of RFID cards and key fobs in reception areas of hotels.
- Administration of RFID cards and key fobs of company employees.

Parameters

- Input voltage 5 VDC (USB port).
- Typical current consumption 68 mA.
- Maximal power consumption 0,59 W.
- Scanning MIFARE®, EM Marin a Jablotron® media.
- USB communication interface (USB port).
- Speaker, red-green LED.

see compatible ID media table.

Variants

EAN	TYPE	SYSTEM	CONSTRUCTION	RFID frequency
8595614129596	JA-191T	JA-100, JA-100+	desktop	LF: 125 kHz, HF: 13,56 MHz

Packaging contains

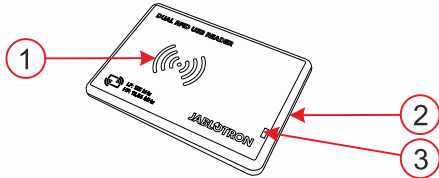
- JA-191T card reader
- 1.8 m USB A to USB B mini cable.
- 3 configuration cards
- Instruction pamphlet

Compatible ID media

TYPE	SYSTEM	TECHNOLOGY	RFID frequency
JA-190J, JA-192J, JA-194J, JA-195J	JA-100, JA-100+	EM MARIN	125 kHz
JA-193J, JA-196J	JA-100, JA-100+	EM MARIN, MIFARE Classic® UID 4B	125 kHz, 13,56 MHz
EM MARIN	JA-100, JA-100+	EM MARIN 4200, EM MARIN 4305	125 kHz
MIFARE Classic®	JA-100, JA-100+	MIFARE Classic® UID 4B, 7B	13,56 MHz
MIFARE Plus®	JA-100, JA-100+	MIFARE Plus® UID 4B, 7B	13,56 MHz
MIFARE DESFire® EV1, EV2, EV3	JA-100, JA-100+	MIFARE DESFire® UID 7B	13,56 MHz

Note: JA-191T, utilizing 13,56 MHz frequency, is compatible with media in accordance with ISO/IEC 14443 type A, 1 – 3.

Description

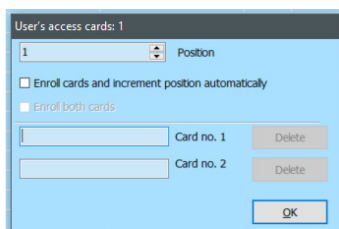
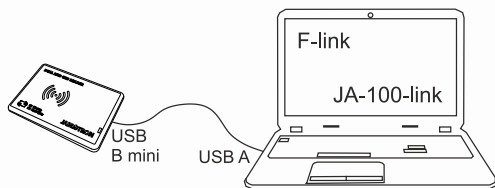


Pic. 1: 1 – LF, HF antenna, 2 – USB port B mini, 3 – LED signalization

Touch RFID media to the icon printed on the case of the reader. The JA-191T reader signalizes scanning both optically and acoustically.

Connection

Connect the JA-191T to a computer USB port. A compatible Windows system should recognize the reader automatically. Run a selected program (F-Link for example), enter the **Users** menu, click the **Card** prompt of the selected user and choose a field for Card no. 1 or Card no. 2 to scan selected ID media. Once the selected ID media has been touched to the RFID reader, its code will be input into the selected field.



Settings

Operating system: The JA-191T reader is compatible with Microsoft® operating systems Windows® 10 & 11.

Windows Driver: The reader is a composite USB device, its operation does not require any specialized driver, Windows® establishes connection automatically.

Reading mode of scanned ID media: The reader operates simultaneously on frequencies 125 kHz and 13,56 MHz. If it is desired to utilize dual ID media (i.e. JA-193J, 196J, etc.), it is necessary to configure the reader to operate on the selected frequency. Configuration is done by touching a configuration card to the reader.

- 1 Mode **125 kHz:** The reader scans the codes of ID media with the frequency of 125 kHz only.
- 2 Mode **13,56 MHz:** The reader scans the codes of ID media with the frequency of 13,56 MHz only.
- 3 Mode **125 kHz & 13,56 MHz:** The reader scans the codes of ID media with the frequency of 125 kHz & 13,56 MHz only.

Configuration cards:

To set the read mode, it is necessary to utilize configuration cards. There are three types of these cards:



Pic. 2: 4 – Mode 1 125 kHz, 5 – Mode 2 13,56 MHz, 6 – Mode 3 125 kHz & 13,56 MHz

Touch the selected configuration card to the reader, its reading is optically and acoustically signalized.

The reader is by default in Mode 3.

Technical parameters

Electrical parameters:

PARAMETER	CONDITION	MIN	MAX	UNIT
Power supply voltage V_{in}	USB port		5	V
Typical consumption lin	$V_{in} = 5\text{ V}$		68	mA
Maximum consumption lin	$V_{in} = 5\text{ V}$		118	mA
Maximum power input	$V_{in} = 5\text{ V}$		0,59	W
Typical scanning range (ISO card)	125 kHz (EM Marin)	3	5	cm
	13,56 MHz (MIFARE® Classic®)	3	5	cm
Magnetic field H intensity @ 10 m	125 kHz (LF)		-8	dBuA/m
	13,56 MHz (HF)		-13,17	dBuA/m
Indication	RG LED		1	ks
	Piezo speaker		1	ks

Communication interface:

INTERFACE DESCRIPTION	TECHNOLOGY	PROPERTIES
USB	USB	Composite USB device

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Mechanical parameters:

INTERFACE DESCRIPTION	VALUE	UNIT
Weight	146	g
Dimensions L x W x H	105 x 70 x 13	mm
Mechanical construction	Rubber feet, designed to be placed on a table.	
Colour	Black, white print	
Material	ABS Plastic	
Environmental class II	Indoor general	
Temperature range	-10 to + 40	°C
Cable length	1.8	m

Signalization:

STATUS	SIGNALIZATION	POPIS
Powered up	Constant glow of red LED	Reader is ready to scan RFID media
Scanned ID media	200 ms green LED flashing	Compatible media ID scanned
	Speaker beep	
Scanned configuration card	Double speaker beep Tones C (150 ms) and F (150 ms)	Reading mode configured (frequency)

Legislative:

EUROPEAN HARMONISED STANDARDS
2014/53/EU; "RED"
2011/65/EU "RoHS"
(ES) no. 1907/2006 "REACH"



TECH FASS s.r.o. hereby declares that the JA-191T is in a compliance with the relevant European Union harmonization legislation. The original version of our declaration of conformity is available on our website at:

<https://www.techfass.com/en/download/11/conformity-declaration>



According to WEEE directive (2012/19/EU), this product cannot be disposed of as unsorted municipal domestic waste and must be returned to recycling centre after its lifetime is over.

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