LF/HF RFID READERS & WRITERS

01 RFID reader

125khz Card reader

The 125kHz series card reader is a driver-free ID card reader device. During use, it can be plugged and inserted at will (plug and play), no external power supply is needed, and the user does not need to load any driver. It can read the serial number in the RFID card and output it to the computer through the data interface, which is equivalent to automatic keyboard input.

R15D Card reader

Basic parameters

Support card： ID cards such as TK4001, EM4100, etc.
Interface：USB/RS232
Working frequency：125khz
Working current：5V 100mA
Size：104mm×70mm×15mm
Weight：200g

R58D bluetooth card reader

Basic parameters

Support card： ID cards such as TK4001, EM4100, etc.
interface：Wireless 2.4G, Bluetooth, USB (only rechargeable)
Working frequency：125khz
Working current：5V 100mA
Size：95mm×50mm×22mm
Weight：50g

R20D Card reader

Basic parameters

Support card： ID cards such as TK4001, EM4100, etc.
interface：USB/RS232
Working frequency：125khz
Working current：5V 100mA
Size：104mm×68mm×10mm
Weight：140g

R30D Card reader

Basic parameters

Support card： ID cards such as TK4001, EM4100, etc.
interface：USB/RS232
Working frequency：125khz
Working current：5V 100mA
Size：104mm×68mm×10mm
Weight：140g

R60D

Support card： ID cards such as TK4001, EM4100, etc.
interface：USB
Working frequency：125khz
Working current：5V 100mA
Size：75mm×21mm×7mm
Weight：10g

R65D

Support card： ID cards such as TK4001, EM4100, etc.
interface：Type-c
Working frequency：125khz
Working current：5V 100mA
Size：35mm×35mm×8mm（Without connector）
Weight：20g

R80D

Support card： ID cards such as TK4001, EM4100, etc.
interface：USB
Working frequency：125khz
Working current：5V 100mA
Size：105mm×65mm×15mm
Weight：70g

R95D

Support card： ID cards such as TK4001, EM4100, etc.
interface：USB
Working frequency：125khz
Working current：5V 100mA
Size：135mm×85mm×28mm
Weight：120g

Exterior	model	interface	working frequency	Support card	size	weigh t	Working current
	R10D	USB	125Khz	TK4001, EM4100, etc.	110mm×80mm×26mm	160g	5V 100mA
	R10DC	USB	125Khz 13.56Mhz	TK4001, EM4100, etc. 14443A protocol label, such as MF S50 \ S70			
	R10H	USB	125Khz	Hid Cards			
	R11D	RS232	125Khz	TK4001, EM4100, etc.			
	R20D	USB	125khz	TK4001, EM4100, etc.	104mm×68mm×10mm	140g	5V 100mA
	R20DC	USB	125Khz 13.56Mhz	TK4001, EM4100, etc. 14443A protocol label, such as MF S50 \ S70			
	R20H	USB	125Khz	Hid 卡			
	R21D	RS232	125Khz	TK4001, EM4100, etc			
	R30D	USB	125khz	TK4001, EM4100, etc	104mm×68mm×10mm	140g	5V 100mA
	R30DC	USB	125Khz 13.56Mhz	TK4001, EM4100, etc. 14443A protocol label, such as MF S50 \ S70			
	R30H	USB	125Khz	Hid Cards			
	R31D	RS232	125Khz	TK4001, EM4100, etc			
	R20XD	USB	125khz	TK4001, EM4100, etc	94mm×60mm×10mm	130g	5V 100mA
	R40DB	USB	125khz	TK4001, EM4100, etc	105mm×65mm×15mm	110g	5V 100mA

Exterior	model	interface	working frequency	Support card	size	weigh t	Working current
	R90D	USB	125khz	TK4001, EM4100, etc	133mm×80mm×16mm	120g	5V 100mA
	R95D	USB	125khz	TK4001, EM4100, etc	133mm×80mm×16mm	220g	5V 100mA
	Z10-WG26	WG26	125khz	TK4001, EM4100, etc	240mm×235mm×35mm	1.5kg	12V 150mA
	Z10-WG34	WG34					
	Z10-RS232	RS232					
	Z10-RS485	RS485					
	Z30-RS232	RS232	125khz	TK4001, EM4100, etc	260mm×260mm×35mm	1.5kg	12V 150mA
	Z30-RS485	RS485					

134.2Khz Card reader series

134.2Khz frequency card reader is mostly used for identification and reading of animal tags. It is widely used in animal husbandry management to improve the management level of farms and pastures, and can also be used to trace related meat foods.

Handheld

W90A

Support card： EMID、FDX-B
Interface： microUSB
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：135mm×60mm×13mm
Weight： 110g

W90B

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：168mm×88mm×15mm
Weight： 120g

W90C

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：175mm×88mm×18mm
Weight： 98g

W90D

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：155mm×74mm×15mm
Weight： 73.8g

W91A

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：182mm×82mm×17.5mm
Weight： 72g

W91B

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 100mA
Size：186mm×94mm×19.5mm
Weight： 78g

W91C

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 100mA
Size：135mm×130mm×21mm
Weight： 102g

W91D

Support card： EMID、FDX-B
Interface： type-c
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size：185mm×77mm×17.5mm
Weight： 78g

W91

Support card： EMID、FDX-B
Interface： USB-C
Working frequency： 125Khz/134.2khz
Working current： 3.7V 150mA
Size： 267mmx148mmx38mm
Weight： 500g

USB/232 Card reader

W81

Support card： EMID、FDX-B
Interface： USB/RS232
Working frequency： 125Khz/134.2khz
Working current： 5V 100mA
Size： 105mm×65mm×15mm
Weight： 110g

W82

Support card： EMID、FDX-B
Interface： USB/RS232
Working frequency： 125Khz/134.2khz
Working current： 5V 100mA
Size： 104mm×68mm×10mm
Weight： 140g

Mobile card reader

W86

Support card： EMID、FDX-B
Interface： Type-c
Working frequency： 134.2khz
Working current： 5V 100mA
Size： 35mm×35mm×8mm (Without connector)
Weight： 20g

Long-distance 134.2Khz card reader

W70

Support card： EMID、FDX-B
Interface： RS232/RS485/WG26/WG34
Working frequency： 134.2khz
Working current： 12V 150mA
Size： 260mm×260mm×35mm
Weight： 1.5kg

13.56Mhz Card reader series

The universal card reader designed with 13.56M non-contact radio frequency technology can be inserted and inserted at will (plug and play) during use, without external power supply, and users do not need to load any drivers. The reading is stable, accurate, and reliable. It is widely used in Internet cafes, membership management, KTV film and television VOD ordering system, fast food restaurant ordering system, office/large shopping center/bathroom center storage box, security control, various anti-counterfeiting systems and production process control, data collection and other field.

R15C

Support card： 14443A protocol label such as MF S50\S70
Interface： USB
Working frequency： 13.56Mhz
Working current： 5V 100mA
Size： 104mm×70mm×15mm
Weight： 200g

R58C

Support card：14443A protocol label such as MF S50\S70
Interface：Wireless 2.4G, Bluetooth, USB (only rechargeable)
Working frequency：13.56Mhz
Working current：5V 100mA
Size：95mm×50mm×22mm
Weight：50g

R20C

Support card： 14443A protocol label such as MF S50\S70
Interface： USB/RS232
Working frequency： 13.56Mhz
Working current： 5V 100mA
Size： 104mm×68mm×10mm
Weight： 140g

R30C

Support card： 14443A protocol label such as MF S50\S70
Interface： USB/RS232
Working frequency： 13.56Mhz
Working current： 5V 100mA
Size： 104mm×68mm×10mm
Weight： 140g

R60C

Support card： 14443A protocol label such as MF S50\S70
Interface： USB
Working frequency： 13.56Mhz
Working current： 5V 100mA
Size： 75mm×21mm×7mm
Weight： 10g

R65C

Support card： 14443A protocol label such as MF S50\S70
Interface： Type-c
Working frequency： 13.56Mhz
Working current： 5V 100mA
Size： 35mm×35mm×8mm (Without connector)
Weight： 20g

R80C/W80A

Support card： 14443A protocol label such as MF S50\S70
Interface： USB
Working frequency： 13.56hz
Working current： 5V 100mA
Size： 105mm×65mm×15mm
Weight： 120g

R98C

Support card： 14443A protocol label such as MF S50\S70
Interface： USB
Working frequency： 13.56hz
Working current： 5V 100mA
Size： 135mm×85mm×28mm
Weight： 120g

Exterior	Model	Interface	working frequency	Support card	size	weight	Working current
	R10C	USB	13.56Mhz	ISO 14443A	110mm×80mm×26mm	160g	5V 100mA
	R10B	USB	13.56Mhz	ISO14443A\ ISO14443B			
	R1093	USB	13.56Mhz	ISO 15693			
	R11C	RS232	13.56Mhz	ISO 14443A			
	R11B	RS232	13.56Mhz	ISO14443A\ ISO14443B			
	R1193	RS232	13.56Mhz	ISO 15693			
	W10A	USB	13.56Mhz	ISO 14443A			
	W10S	USB	13.56Mhz	ISO 14443A			
	W1093	USB	13.56Mhz	ISO 15693			
	W11A	RS232	13.56Mhz	ISO 14443A			
	W11S	RS232	13.56Mhz	ISO 14443A			
	W1193	RS232	13.56Mhz	ISO 15693			
	R20C	USB	13.56Mhz	ISO 14443A	104mm×68mm×10mm	140g	5V 100mA
	R20B	USB	13.56Mhz	ISO14443A\ ISO14443B			
	R2093	USB	13.56Mhz	ISO 15693			
	R21C	RS232	13.56Mhz	ISO 14443A			
	R21B	RS232	13.56Mhz	ISO14443A\ ISO14443B			
	R2193	RS232	13.56Mhz	ISO 15693			
	W20A	USB	13.56Mhz	ISO 14443A			
	W20Q	USB	13.56Mhz	ISO14443A、ISO14443B、ISO15693			
	W20S	USB	13.56Mhz	ISO 14443A			
	W2093	USB	13.56Mhz	ISO 15693			
	W21A	RS232	13.56Mhz	ISO 14443A			

	W21Q	RS232	13.56Mhz	ISO14443A、ISO14443B、ISO15693			
	W2193	RS232	13.56Mhz	ISO15693			
	R20XC	USB	13.56Mhz	ISO 14443A	94mm×60mm×10mm	130g	5V 100mA
	R30C	USB	13.56Mhz	ISO 14443A	104mm×68mm×10mm	140g	5V 100mA
	R30B	USB	13.56Mhz	ISO 14443A\ISO 14443B			
	R3093	USB	13.56Mhz	ISO 15693			
	R31C	RS232	13.56Mhz	ISO 14443A			
	R31B	RS232	13.56Mhz	ISO 14443A\ISO 14443B			
	R3193	RS232	13.56Mhz	ISO 15693			
	W30A	USB	13.56Mhz	ISO 14443A			
	W31A	RS232	13.56Mhz	ISO 14443A			
	R40CB	USB	13.56Mhz	ISO 14443A	105mm×65mm×15mm	110g	5V 100mA
	R60C	USB	13.56Mhz	ISO 14443A	75mm×21mm×7mm	10g	5V 100mA
	W60A	USB	13.56Mhz	ISO 14443A			
	R6093	USB	13.56Mhz	ISO 15693			
	R90C	USB	13.56Mhz	ISO 14443A	133mm×80mm×16mm	120g	5V 100mA
	R95C	USB	13.56Mhz	ISO 14443A	133mm×80mm×16mm	220g	5V 100mA
	R98C	USB	13.56Mhz	ISO 14443A	135mm×85mm×28mm	120g	5V 100mA
	R18	USB	13.56Mhz	ISO14443B	135.2mm×90.3mm×25.7mm	400g	5V 100mA
	R61	RS232	13.56Mhz	ISO 15693	454mm×364mm×25mm	4kg	12V 300mA

02 RFID Access control reader

D1 Access control reader

The D1 series of access control card readers are non-contact RFID Kavigan card readers, using advanced radio frequency receiving circuit design and embedded microcontroller, and combined with efficient decoding algorithms. It has the characteristics of high receiving sensitivity, low working current, single DC power supply, low price and high performance. The dust-proof, moisture-proof, fully sealed design is convenient for users to install under harsh conditions (such as outdoors) without causing mechanical wear and tear, and it is durable.

Model	Basic parameters	Card reader type	Remarks
D1-D	Size： 114mm×76mm×16mm Weight： 190G Operating Voltage： DC9~12V Working current： ≤100mA Colour： White/black	125Khz(EM4100、EM4001 etc.)	ID-Wiegand 26/34 Reader
D1-C		Mifare one and other 14443A protocol cards (S50\S70\Ntag203\Ntag213, etc.)	MF-Wiegand 26/34 reader
D1-S		14443B Protocol Card (Resident ID Card)	The second-generation ID card + MF Wiegand card reader

D3

Access control reader

The D3 series of access control readers are non-contact RFID Kavigan readers, using advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms. It has the characteristics of high receiving sensitivity, low working current, single DC power supply, low price and high performance. The dust-proof, moisture-proof, and fully sealed design is convenient for users to install under harsh conditions such as outdoors, without mechanical wear, and durable.

Model	Basic parameters	Card reader type	Remarks
D3-D	Size：115mm×75.5mm×16.8mm Weight： 160G Operating Voltage： DC6-12V Working current：20-50mA	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
D3-C		13.56Mhz (MF, Ntag203/213, etc.)	MF-Wiegand 26/34 reader

D4

Access control reader

The D4 series of access control readers are non-contact RFID Kavigan readers, using advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms. It has the characteristics of high receiving sensitivity, low working current, single DC power supply, low price and high performance. The dust-proof, moisture-proof, and fully sealed design is convenient for users to install under harsh conditions such as outdoors, without mechanical wear, and durable.

Model	Basic parameters	Card reader type	Remarks
D4-D	Size：115mm×75.5mm×16.8mm Weight： 160G Operating Voltage： DC6-12V Working current：20-50mA	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
D4-C		13.56Mhz (MF, Ntag203/213, etc.)	MF-Wiegand 26/34 reader

D5

Access control reader

The D5 series of access control readers are non-contact RFID card Wiegand readers, using advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms. It has the characteristics of high receiving sensitivity, low working current, single DC power supply, low price and high performance. The dust-proof, moisture-proof, and fully sealed design is convenient for users to install under harsh conditions such as outdoors, without mechanical wear, and durable.

Model	Basic parameters	Card reader type	Remarks
D5-D	Size：85mm×48mm×17.3mm Weight： 120G Operating Voltage： DC6-12V Working current：20-50mA	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
D5-C		13.56Mhz (MF, Ntag203/213, etc.)	MF-Wiegand 26/34 reader

D12

Access control reader

The D1 series of access control readers are non-contact RFID Kavigan readers, using advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms. It has the characteristics of high receiving sensitivity, low working current, single DC power supply, low price and high performance. The dust-proof, moisture-proof, fully sealed design is convenient for users to install under harsh conditions such as outdoors, without mechanical wear and tear, and is durable.

Model	Basic parameters	Card reader type	Remarks
D12-D	Size：80mm×28mm×12mm Weight：160G Operating Voltage： DC9~12V Working current ： ≤100mA Color: black (optional army green)	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
D12-C		13.56Mhz (MF, Ntag203/213, etc.)	MF-Wiegand 26/34 reader
D12-H		125Khz (HID Card)	HID-Wiegand 26/34 reader

102A

Access control reader

102A series access control card reader is a non-contact Wiegand RFID card reader. It adopts advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms, to complete RFID/IC card reception. The dust-proof, moisture-proof and fully sealed design is convenient for users to install under harsh conditions (such as outdoors) without mechanical wear and tear, and it is durable.

Model	Basic parameters	Card reader type	Remarks
102A-26/34	Size：86mm×86mm×20mm Weight：约 140G Operating Voltage：DC9~12V Working current：≤100mA Sensing distance：ID(8～15CM）/MF（3～6.5CM) Color: black (optional army green)	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
102A-M26/34		13.56Mhz (MF, Ntag203/213,etc.)	MF-Wiegand 26/34 reader

103A

Access control reader

The 103A series access control card reader ("read head" for short) is a 125Khz or 13.56MHz non-contact EM card or M1 card Wiegand reader, using advanced radio frequency receiving circuit design and embedded microcontroller, combined with efficient decoding algorithms. The dust-proof, moisture-proof, fully sealed design is convenient for users to install under harsh conditions such as outdoors, without mechanical wear and tear, and is durable.

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Model	Basic parameters	Card reader type	Remarks
103A-26/34	Size：86mm×86mm×20mm Weight：约 140G Operating Voltage：DC9~12V Working current：≤100mA Sensing distance：ID(8～15CM）/MF（3～6.5CM) Color: black (optional army green)	125Khz (EM4100, EM4001, etc.)	ID-Wiegand 26/34 reader
103A-M26/34		13.56Mhz (MF, Ntag203/213, etc.)	MF-Wiegand 26/34 reader