

UIC BEZEL8-SP Contactless Smart Card Reader

Specification

Items	Specification
Processor	Microchip SAMA5D28
Memory	DDR3 256MB
Storage	NAND Flash 256MB
Display	2.4", 320x240, color LCD, 900Nit
OS	Linux
Audio	Buzzer
Rated voltage	12V, 1.25A
Readers	
Magnetic Card Reader	Bi-directional, support triple tracks ISO7811 Speed 5 to 40 IPS 1,000,000. swipe times
Smart Card Reader	ISO7816, T=0, T=1 EMV Level 1, Support 5V/3V 500,000. inserted times
Contactless	Support ISO 14443 Type A/B and Mifare with 4 LEDs, EMV contactless L1
Bar code scanner	camera(option)
I/O	
40Pin Connector	* USB Host x1 * RS232 x1 * 10BASE-T/100BASE-T Ethernet (RJ45) * MDB Slave x1, (CONN In x1, Out x1) Power input range 9V ~ 40V
DC in	On 40pin cable
SAM	x 2
SIM	x 1
LTE Antenna CONN	MMCX x1
Battery connector	2pin x1 (Reserved for coin cell battery)
LED indicator	x 4 for RFID Light pipe x1 (LED x4) for MSR
Buttons	Rubber button x 2
Communication	
Ethernet	x 1
Wifi	2.4G only Antenna : PCB
LTE	Antenna : MMCX

Size	107 x 84 x 49.7mm
Weight	245g
Environment	
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C
Humidity	5% to 90%(non-condensing)
Reliability Requirements	
MTBF	50,000 hours
EFT:	+/- 2 KV
EMI:	Class B
Button	1M times
IK Level	IK09
UV	UV exposure resistance (Lens)

Installation guide(RS232 Interface)	
1	Plug the RS232 cable to the port of PC or system
2	The reader will boot up automatically

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF exposure statements

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

- 1) This device may not cause interference, and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This radio transmitter (IC: 10984A-LE910C4WWXD) has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Cet émetteur radio (IC: 10984A-LE910C4WWXD) a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antennes non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour l'utilisation avec cet appareil.

<i>Tx Bands</i>	<i>Frequency (MHz)</i>	<i>Max. Tune-up Power (dBm)</i>	<i>Peak Antenna Gain (dBi)</i>
GSM850	824.2	27.50	0.18
GSM1900	1850.2	24.50	1.80
WCDMA Band 2	1852.4	24.50	1.80
WCDMA Band 4	1712.4	24.50	3.14
WCDMA Band 5	826.4	24.50	0.18
LTE B2	1850.7	24.00	1.80
LTE B4	1710.7	24.00	3.14
LTE B5	824.7	24.00	0.18
LTE B7	2502.5	24.00	-1.65
LTE B12	699.7	24.00	-3.32
LTE B13	779.5	24.00	-0.48
LTE B14	790.5	24.00	-0.48
LTE B25	1850.7	24.00	1.80
LTE B26	814.7	24.00	0.18

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

減少電磁波影響，請妥適使用

警語內容：「電波功率密度 MPE 標準值：1 mW/cm²，送測產品實測值：0.097 mW/cm²，建議使用時設備天線至少距離人體20 公分。」。

1. LTE 700MHz(Band 28)：703～748MHz；758～803MHz
2. LTE 900MHz(Band 8)：885～915MHz；930～960MHz
3. LTE 1800MHz(Band 3)：1710～1785MHz；1805～1880MHz
4. LTE 2100MHz(Band 1)：1920～1980 MHz；2110～2170MHz
5. LTE 2500MHz/2600MHz(Band 7)：2500～2570 MHz；2620MHz～2690 MHz