Contactless Access Control Tablet

User Guide

Version:V1.0

Date:2020.08.08

Smart Access Control Facial Recognition

1.Application Scenarios

Ideally used for access control in office, hotel, school, shopping mall, community which requireaccess check, time attendance, person-document check, person-facial ID check.

2.Main Features

ⅼ   2.0MP HD camera

ⅼ   Support 3-color lighting supplement

ⅼ   Support NFC card reader

ⅼ   Support RS485, Relay, GPIO, gate magnetic I/O.

ⅼ   Support Wan/Lan Implementation

ⅼ   Optional with multi-touch screen

ⅼ   Optional with 4G LTE

ⅼ   Optional with dual-lens camera and thermal imaging sensor

ⅼ   Optional with TOF sensor

ⅼ   Optional with ID/passport reader, fingerprint scanner, light shield, 86mm type box.

3. Specification

Contactless Access Control Tablet		
Model No.		Droid5010AC
LCD Panel	Size	TFT 5-inch
	Resolution	854*480
Camera	Pixels	2.0 MP （Optional Dual-lens 2M+1.3M）
Spec	OS	Android 8.1.0 Dedicated OS for access control
	Processor	Rockchip RK PX30 Quad-core Cortex-A35 up to 1.5GHz
	Storage	1G DDR+8G EMMC Optional： 4G DDR+16G/32G/64G EMMC
	Power Supply	DC 12V/3A(POE Optional,ernally plugged)
	Consumption	9.8W Max
	Humidity	0%-90% （non-condense）
	Work Temp	-10°C ～ 55°C
	Storage Temp	-20°C ～ 70°C
	IP ratings	IP65
	Usage Condition	indoor or outdoor with light shield
	Dimension	86mm*170mm*15mm
Hardware	Identification	By Human Facial ID
		RJ45 LAN*1
		Micro-USB OTG*1
		DC In *1

	Ports	RS485*1
		Relay*1
		ALM Door On/Off *1
	Reset	Reset to factory default (located on the back of the product)
	Restart	Optional (IP ratings will be compromised with it)
	Light Supplement	Support 3-color supplement
	Off-wall detecting	Supported (with hall sensor)
	Watch-dog	Supported
	Light sensor	Supported
	4G LTE	4G Worldwide bands optional (project only)
	Motion sensor	TOF Optional
	Tele-talk	Optional MiC
	Speaker	2W*1
Networking	WIFI	Optional： 2.4G IEEE 802.11b/g/n
	Bluetooth	Optional： Bluetooth 2.1/3.0/4.0/4.2
	Communication	4G Worldwide bands optional (project only)
Packing	Unit Weight	0.8Kg
	Dimension	100mm*200mm*30mm

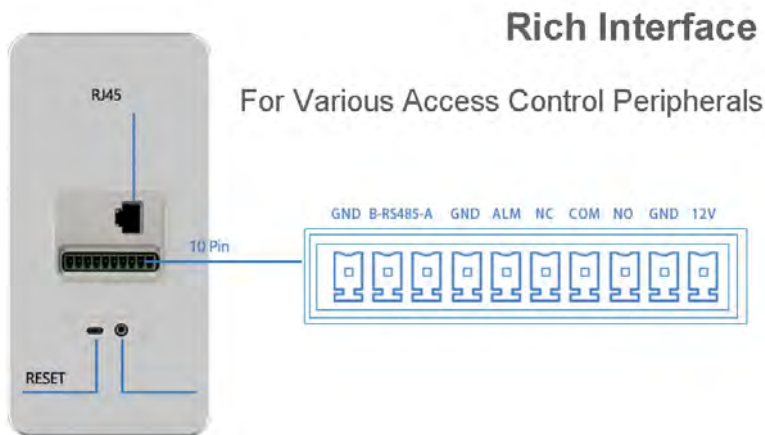# 4.Device Close-Lookup Features

Wall Mount

Mount Kit
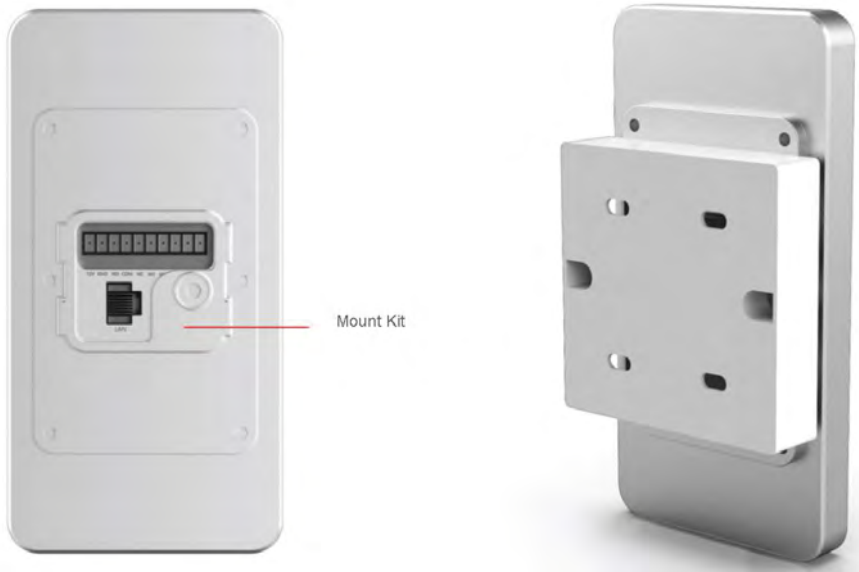
5。 Product Dimension

6.Appearance and wiring guide

1. Product Appearance

2. Expansion Socket 10-pin

| 12V	12V Positive
GND	Data Earth
NO	Door Lock Constant On
COM	Door Lock Public Nod
NC	Door Lock Constant Off
ALM	On/Off Button
GND	Data Earth
RS 485A	RS 485A
RS485B	RS485B
GND	Data Earth

Notes :

1.Relay is to control the On/Off switch of the door lock, it can supply power as well.

2.RS485 port could talk to external RS485 of the door lock.

4.ALM is an optional port, for either input or output connection, it could be disconnected without

   Affecting the normal operation.

7. Installation

As shown below

Notes ： If the device is shipped with 86mm type box, there will be a full set of
Screws supplied for installation use.

The suggested height between
mount and ground is 1.3 meter

1300

Ground
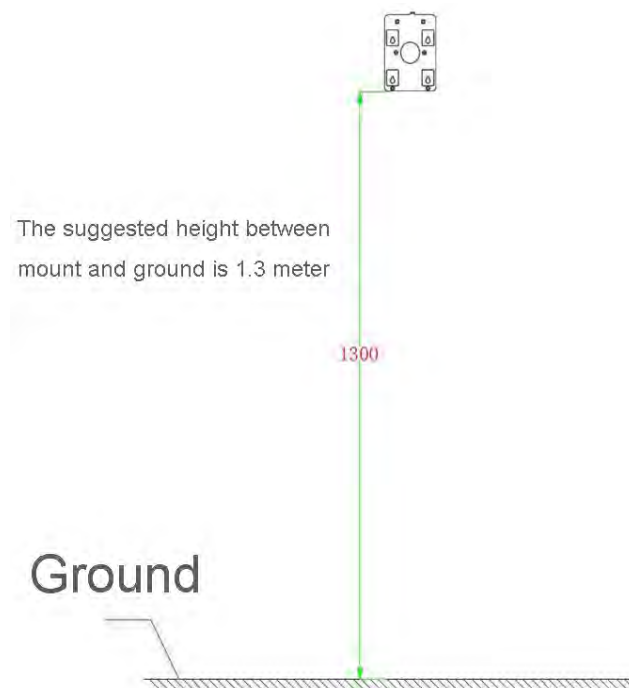
Mount kit and installation

The mount holes could also be used for desktop and floor standing.

Note: Use one pc of M3 screw to fix the device (supplied in the package).

8.Package content and guide

(1)materials /tools list

No.	materials /tools	Qty	Remarks
1	Console & Accessories	1	accessories： 12V AC adapter, screws, wall mount, warranty card, content list etc
2	Door Lock Switch （Optional）	1	Manually Unlock the door
3	Magnetic Lock （Optional）	1	Power cut off to open, Power connect to lock
4	Magnetic Lock Power （Optional）	1	Supply power to magnetic lock and facial Recognition tablet
5	Ethernet Cable （Optional）	N/A	For ethernet calbe and other wiring
6	Net cable maker, networking detector And other tools (optional)	N/A	For ethernet calbe and other wiring
7	Wall Drill （Optional）	N/A	For wiring use

(2)wiring guide with gate magnetic

1.working with gate magnetic；
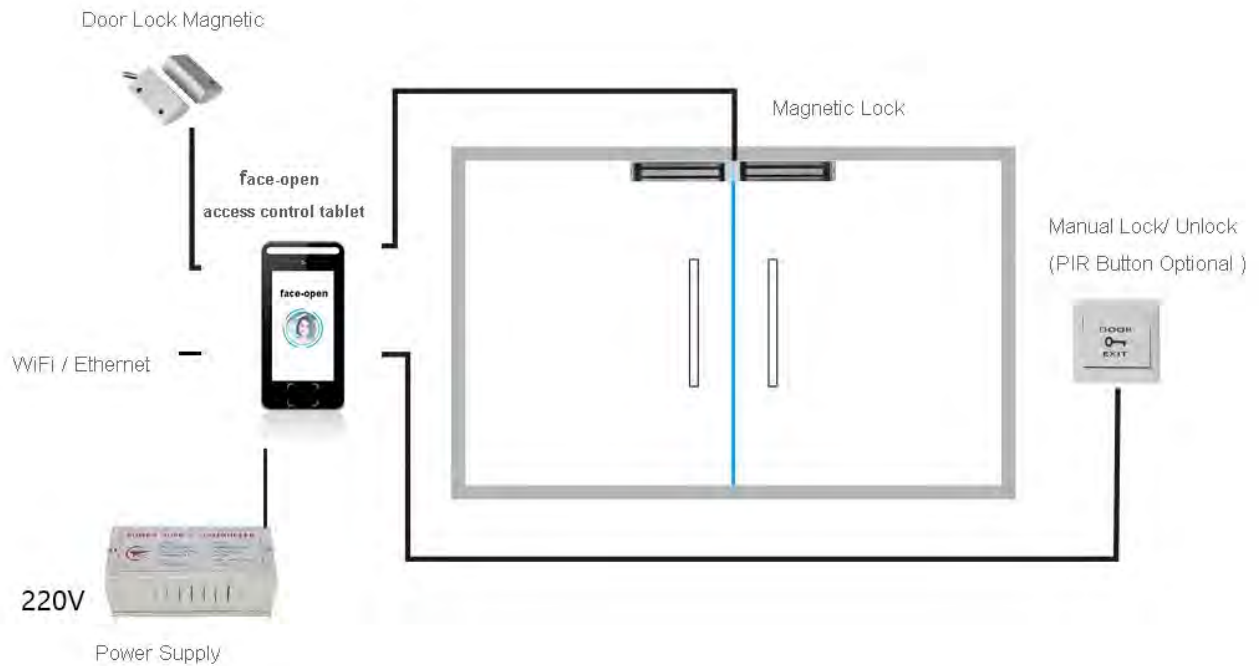
9. Safety instructions

1. Wiring must be safe and reliable to avoid power accidents ；

2. If the DC power cable is not the special cable specified, it may supply power lower than rated;

e.g 11V(less than rated 12V), there will be repeated restarting or screen freezing.

3. Anti-tampering with other device.

Make sure the tablet is at least 30cm away from other applicance and power source.

4.The in-built relay and the magnetic lock's accepted power voltage/current is 12V/3A maximum,

If it is above this level, it will be damaged and door could not be opened.

5.The AC adapter's cable is 1.8 meter long.

 Extension power cable could not be longer than 3 meter.

l   Do not use other non-rated AC power adapter like 9V or 12V 1A;

l   Use quality cables

Make sure DC in voltage $>$ 11V

Notes: If supplying power via ethernet cable, make 4 leads positive, and other 4 negative.