

Keynibus K11604007 Smarty Creating Smart Locker Walls Instruction Manual

Contents

- [1 K11604007 Smarty Creating Smart Locker Walls](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
 - [3.1 1. Power Supply and Setup](#)
 - [3.2 2. Touch Screen Usage](#)
 - [3.3 3. Connectivity](#)
 - [3.4 4. Card Reader Functionality](#)
- [4 Frequently Asked Questions \(FAQ\)](#)
 - [4.1 Q: What operating systems are supported by the device?](#)
 - [4.2 Q: Can I expand the RAM on this device?](#)
 - [4.3 Q: What are the options for display output interfaces?](#)
 - [4.4 Documents / Resources](#)
 - [4.4.1 References](#)

K11604007 Smarty Creating Smart Locker Walls

Specifications

- **Size(mm):** 2010 x 1605 x 467
- **Weight(kg):** 1.6
- **Shell material:** Steel
- **Operating temperature:** -10 to +60°C
- **Humidity range:** 10%-90%
- **Input end:** 100-240V to 2.5A
- **Power supply:** Switch: 12V DC output
- **Working voltage:** 12V
- **Power:** 14W
- **Reserve consumption:** < 1
- **Touch screen:** 8-inch, 1024 x 768 (4:3),
10-finger multi-touch capacitive touch screen
- **Processor:** Intel Celeron quad-core
- **RAM:** 4GB
- **Storage:** 64 GB SSD Local cache
- **Connection options:** Wifi, 2x RJ45 LAN
Ethernet
- **Card reader:** MiFare Reader: 13.56Mhz
(optional), HID Reader: 13.56Mhz (optional)

Product Usage Instructions

1. Power Supply and Setup

Connect the power supply to the input end (100-240V) and switch on the device using the power switch. Ensure a stable power source.

2. Touch Screen Usage

Interact with the device using the 8-inch touch screen. Utilize the multi-touch feature for various functions.

3. Connectivity

Connect to a network either through Wifi or RJ45 LAN Ethernet for internet access and data transfer.

4. Card Reader Functionality

If equipped, use the MiFare or HID card reader for authentication purposes.

Frequently Asked Questions (FAQ)

Q: What operating systems are supported by the device?

A: The device supports Win10 Professional Edition, Win10 Enterprise Edition, Win10 Home Edition, Win11 Professional Edition, Ubuntu16.04.7, Ubuntu18.04.6, Centos7.8, and Centos8.4.

Q: Can I expand the RAM on this device?

A: The device supports DDR4-2666 MHz, with 1 * SO-DIMM Slot, allowing for expansion up to 8GB of RAM.

Q: What are the options for display output interfaces?

A: The device supports LVDS output, EDP output, VGA output, and HDMI output, offering flexibility in display connections.

Smarty 8 inch

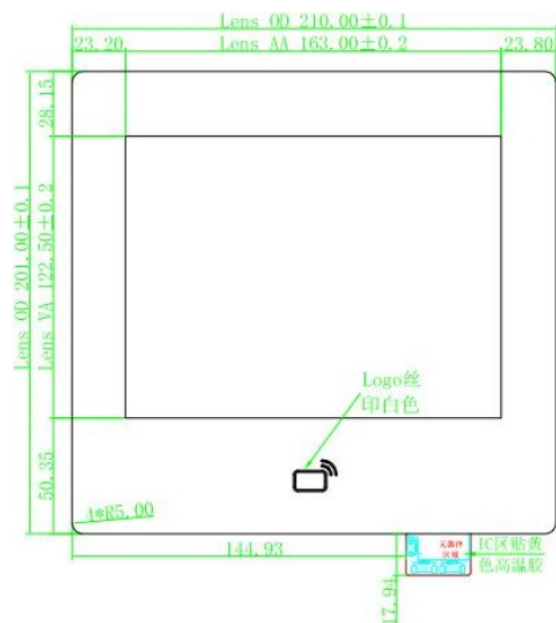
- Plug can be used
- PIN+RFID
- Administrator login function
- Off-line mode
- Complete scenario possibilities



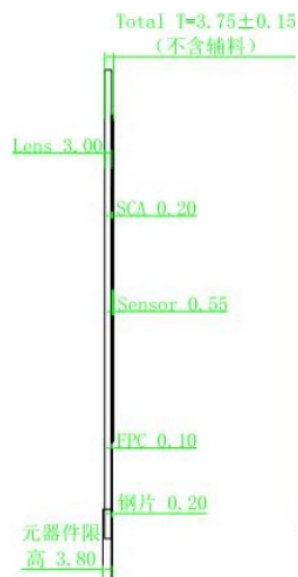
type	Parameter information
Size(mm)	(Length x width x height) 2010 x 1605 x 467
Weight(kg)	1.6
Shell material	steel
Operating temperature	-10°C to +60°C
Humidity range	10%-90%
Power source	Input end: 100-240V to 2.5A
	Power supply: Switch: 12V DC output
	Working voltage: 12V
	Power:14W
	Reserve consumption: < 1
Touch control panel	8-inch touch screen 1024 x 768 (4:3)
	10-finger multi-touch capacitive touch screen
	3mm hardened glass 7H
	Surface treatment: anti-glare (optional)
Connection option	Wifi
	2x RJ45 LAN Ethernet
Technology and storage	Intel Celeron quad-core processor
	4GB RAM
	64 GB SSD
	Local cache
	The terminal supports DHC
Card reader	MiFare Reader: 13.56Mhz (optional)
	HID Reader: 13.56Mhz (optional)

Technical Drawing

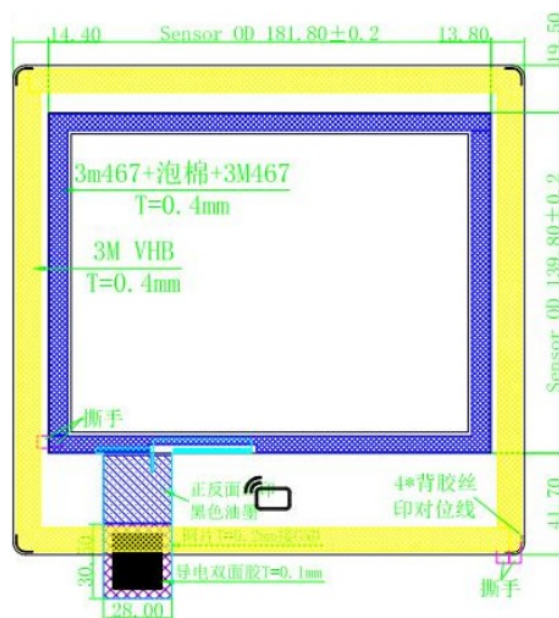
Front view

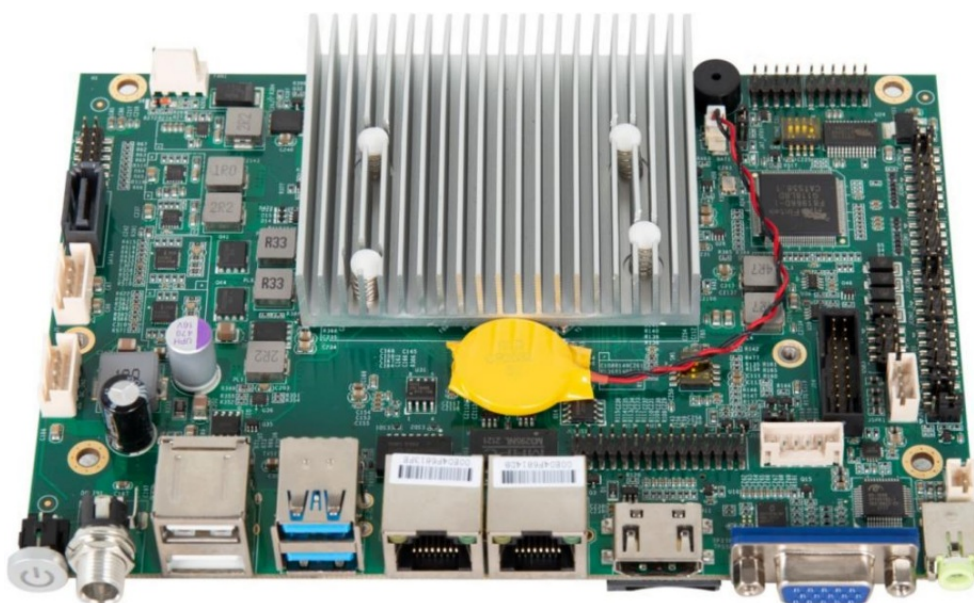
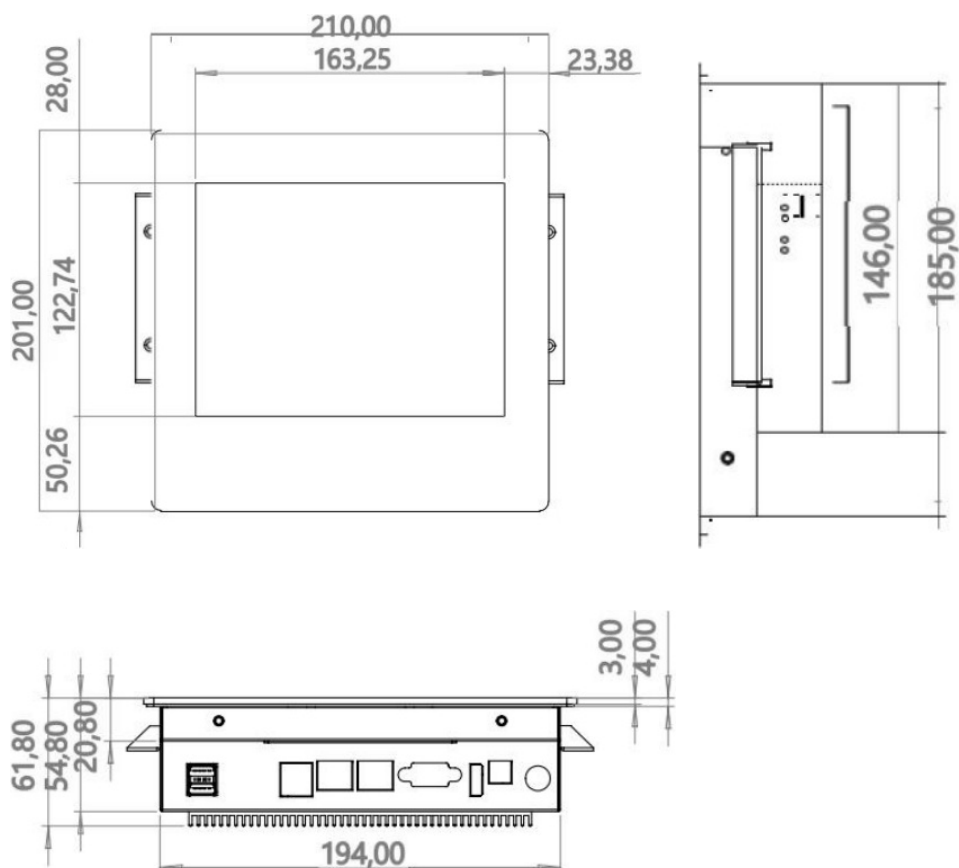


Side view



Backside attempt





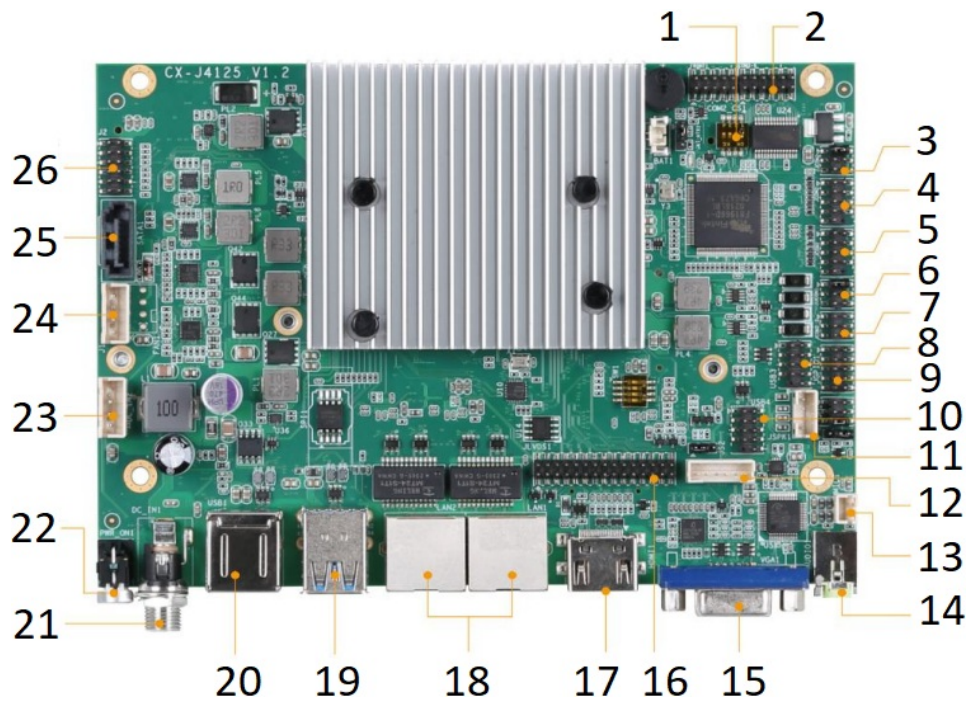
Main board matching description:

1. CX-J4125 is standard with double Gigabit
2. CX-J4125 has two motherboards: LVDS interface and EDP interface
3. The WIFI module and 4G module can be selected
4. LCD screen, touch screen and supporting wire material can be selected
5. I / O interface wire materials are optional

type		Specification parameters
CPU		Intel® Celeron® J4125, clock speed 2.GHZ, Quad-core, TDP 10W
chip set		Using the Intel Bay trail SOC, the chipset
internal storage		Support DDR4-2666 MHz, 1 * SO-DIMM Slot, Up to 8GB.
caliche		1 * SATA3.0 + 1 * mSATA
electric fan		No (silent)
operating system		Win10 Professional Edition / Win10 Enterprise Edition / Win10 Home Edition / W in11 Professional Edition
		Ubuntu16.04.7/Ubuntu18.04.6
		Centos7.8/Centos8.4
Displays the int erface	LVDS ou tput	support
	EDP out put	Support (for different motherboards)
	VGA out put	Support for the highest resolution of 1920 * 1200 @ 60 HZ
	HDMI ou tput	Support for 1080P@120Hz, 4kx2k@60Hz output
I/O joggle	USB2.0	6:2 * USB2.0 seats; 4 * USB pins
	USB3.0	2 shoreline seats
	GPIO	8 Road
	232	6 (1 of them is RS232 / RS422 / RS485 interchange)

	422	1 (RS232 / RS422 / RS485 interchange)
	485	1 (RS232 / RS422 / RS485 interchange)
network	WIFI, BT	1 * Mini-PCIE interface, with optional WiFi module
	3G/4G	1 * Mini-PCIE, interface, 4G optional 4 G module
	Ethernet	2 * Realtek PCI-E NIC RTL8111H for 1000Mbps (Optional Double Gigabit)
audio frequency		1 * The MIC supports the microphone input
		1 * SPK power amplifier supports 8 euro 5 W horn dual channel output
		1 * AUDIO supports audio output
Timed switch machine		Support (power on)
supply electricity		5525 Thread width pressure (12V~36V)
static electricity		Contact 4KV and air 8KV
size		160mm*110mm*27mm
Java runtime environment Java		Operating temperature: -20°C ~60°C; operating humidity: 5%~95% relative humidity, no condensation

1.1 Schematic diagram of the motherboard interface



1. LVDS resolution encoder
2. 4*RS232 Serial port
3. COM2 Voltage selection
4. COM2
5. COM1
6. COM1 Voltage selection
7. RS232/422/485 connector
8. 2*USB 2.0 connector
9. GPIO port (TTL)
10. 2*USB 2.0 connector
11. Horn connector
12. Backlight power supply
13. MIC connector
14. AUDIO socket
15. VGA
16. LVDS/EDP
17. HDMI
18. RJ45
19. USB3.0
20. USB2.0
21. DC IN 12V-36V
22. Power button
23. Power input port
24. SATA power supply
25. SATA
26. DEBUG PORT

2.1 Definition description of the interface terminals

2.1.1 MIC

MIC: PH2.0 /2PIN	
stitch	definition
1	MIC-
2	MIC+

2.1.2 Horn horn

SPK PH2.0/4PIN	
stitch	definition
1	RP
2	RN
3	LN
4	LP

2.1.3 GPIO port and configuration instructions

GPIO DuPont 2.0 / 2 * 10 PIN			
stitch	definition	stitch	definition
1	GPIO77	2	GPIO76
3	GPIO75	4	GPIO74
5	GPIO73	6	GPIO72
7	GPIO71	8	GPIO70
9	GPIO-VCC	10	GPIO-GND

2.1.4 GPIO, power supply selection

GPIO Du Pont 2.0 / 3 PIN			
stitch	definition	stitch	definition
1	gpio-5V	2	GND
3	gpio-3.3v		

2.1.5 AT / ATX selection

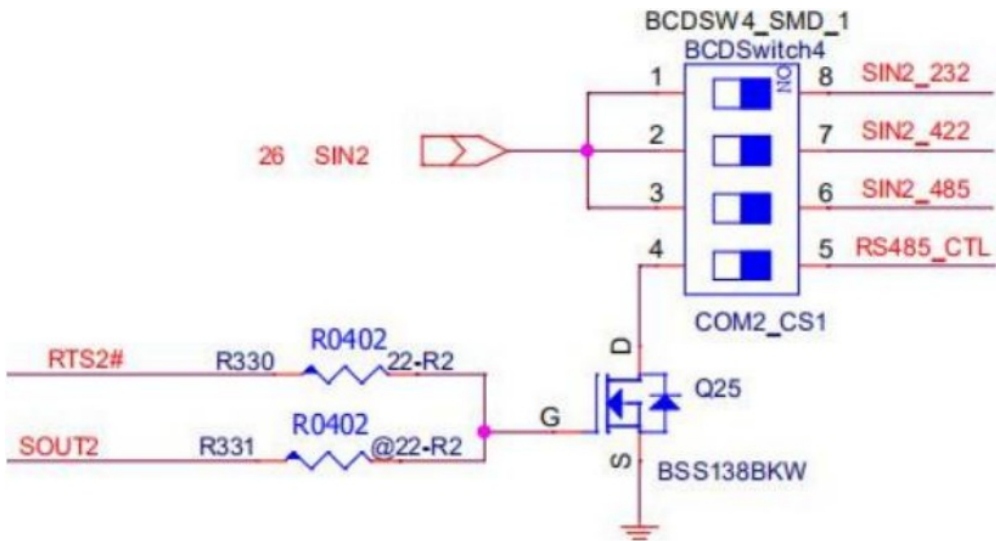
AT / ATX duPont 2.0 / 3 PIN			
stitch	definition	stitch	definition
1	ATX	2	GND
3	ATX		

2.1.6 Definition and configuration description of the RS 232 / RS422 / RS485 interchange interface

JJCOM2 DuPont 2.0 / 2 * 3 PIN			
stitch	definition	stitch	definition
1	COM2 TX+	2	COM2 TX-
3	COM2 RX+	4	COM2 RX-
5	GND	6	GND

RS422 COM 2 _ TX +, COM 2 _ TX-, COM 2 _ RX +, COM 2 _ RX when in mode
RS485 In the mode, RS485 + corresponds to COM 2 _ TX +, and RS485-corresponds to COM 2 _ TX-

The dial switch is defined as follows:



- A. When 1 / 2 ON, 3 / 4 OFF, COM2 in BIOS choose RS422, motherboard JJCOM2
For RS422 function, at this time the motherboard JCOM 2, no function
- B. When 1 / 2 OFF, 3 / 4 ON, COM selected RS485 in BIOS, the motherboard JJCOM2
For RS485 function, at this time the motherboard JCOM 2, no function
- C. When 1 ON, 2 / 3 / 4 OFF, and the COM selects RS232 in BIOS, then the motherboard JCOM 2
For the full signal RS232 function, the main board default dial code status

2.1.7 JCOM (full signal RS232) interface definition

JCOM1 DuPont 2.0 / 2 * 5 PIN			
stitch	definition	stitch	definition
1	COM1-DCD	2	COM1-RXD
3	COM1-TXD	4	COM1-DTR
5	GND	6	COM1-DSR
7	COM1-RTS	8	COM1-CTS
9	COM1-R1	10	

2.1.8 JCOM3 RS232 interface definition

JCOM 3-1 Du Pont 2.0 / 2 * 6 PIN			
stitch	definition	stitch	definition
1	COM3-RX	2	COM4-RX
3	COM3-TX	4	COM4-TX
5	GND	6	GND
7	COM5-RX	8	COM6-RX
9	COM5-TX	10	COM6-TX
11	GND	12	GND

2.1.8 FRONT Jumper interface definition

FRONT1 DuPont 2.0 / 2 * 5 PIN			
stitch	definition	stitch	definition
1	HDD-LED+	2	PWR-LED+
3	HDD-LED-	4	PWR-LED-
5	GND	6	PWRSW
7	SYSRST	8	GND
9	BLUP	10	BLDN

2.1.9 USB terminal interface definition

USB 3 / 4 duPont 2.0 / 2 * 5 PIN			
stitch	definition	stitch	definition
1	VCC	2	VCC
3	–	4	–
5	+	6	+
7	GND	8	GND
9	GND	10	

2.1.10, definition of fan interface

Fan seat							
stitch	definition	stitch	definition	stitch	definition	stitch	definition
1	GND	2	12V	3	FAN-TACH	4	FAN-PWM

2.1.11 LVDS, power supply selection

JS 1 DuPont 2.0 / 2 * 3 PIN			
stitch	definition	stitch	definition
1	12V	2	GND
3	5V	4	GND
5	3.3V	6	GND

2.3.12 LVDS, interface definition

JLVDS1 DuPont 2.0 / 2 * 15 PIN			
stitch	definition	stitch	definition
1	VCC	2	VCC
3	VCC	4	LVDS-DETECT
5	GND	6	GND
7	D0N	8	D0P
9	D1N	10	D1P
11	D2N	12	D2P
13	GND	14	GND
15	CLK0N	16	CLK1N
17	D3N	18	D3P
19	D4N	20	D4P
21	D5N	22	D5P
23	D6N	24	D6P
25	GND	26	GND
27	CLK1N	28	CLK1P
29	D7N	30	D7P

0000	→1024×600	1ch/18bit
0001	→1024×768	1ch/18bit
0010	→800×600	1ch/18bit
0011	→1280×800	1ch/18bit
0100	1920×1080	2ch / 24bit ad hoc mode
0101	→1680×1050	2ch/24bit
0110	→800×600	1ch/24bit
0111	→1024×768	1ch/24bit
1000	→1024×600	1ch/24bit
1001	→1280×800	1ch/24bit
1010	→1920×1080	2ch/18bit
1011	→1366×768	1ch/24bit
1100	→1920×1200	2ch/24bit
1101	→1280×1024	2ch/24bit
1110	→1440×900	2ch/24bit
1111	→1920×1080	2ch/24bit

2.1.13 EDP interface definition

JEDP 1 DuPont 2.0 / 2 * 10 PIN			
stitch	definition	stitch	definition
1	VCC	2	VCC
3	GND	4	GND
5	TX0N	6	TX0P
7	TX1N	8	TX1P
9	TX2N	10	TX2P
11	NC	12	NC
13	GND	14	GND
15	AUXN	16	AUXP
17	GND	18	GND
19	GND	20	HPD

2.1.14 SATA POWER interface definition

J3 XH2.54/4PIN	
stitch	definition
1	5V
2	GND
3	GND
4	12V

2.1.15, backlight interface definition

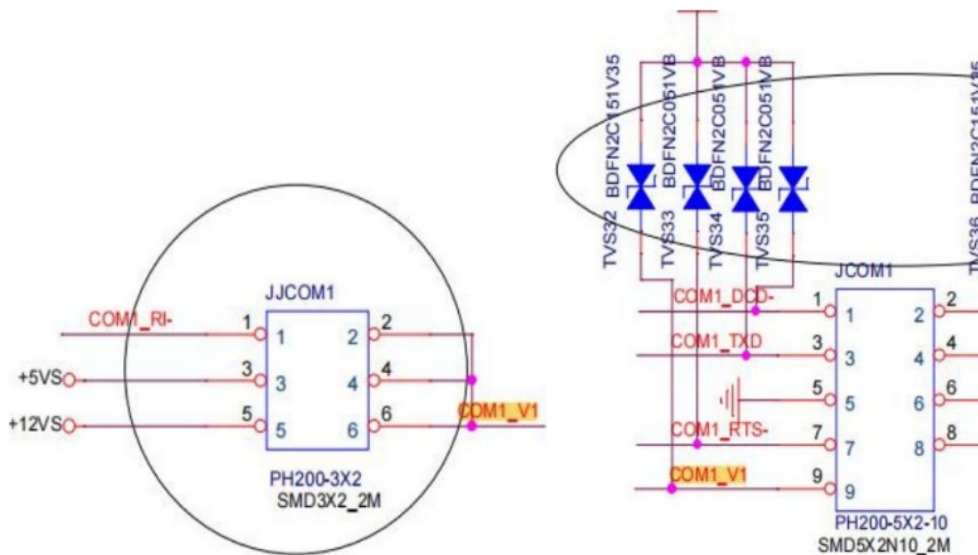
J1NV1 PH2.0/6PIN	
stitch	definition
1	GND
2	GND
3	ADJ
4	EN
5	12V
6	12V

JS 2 Du Pont 2.0 / 3 PIN	
stitch	definition
1	PWM
2	GND
3	DC

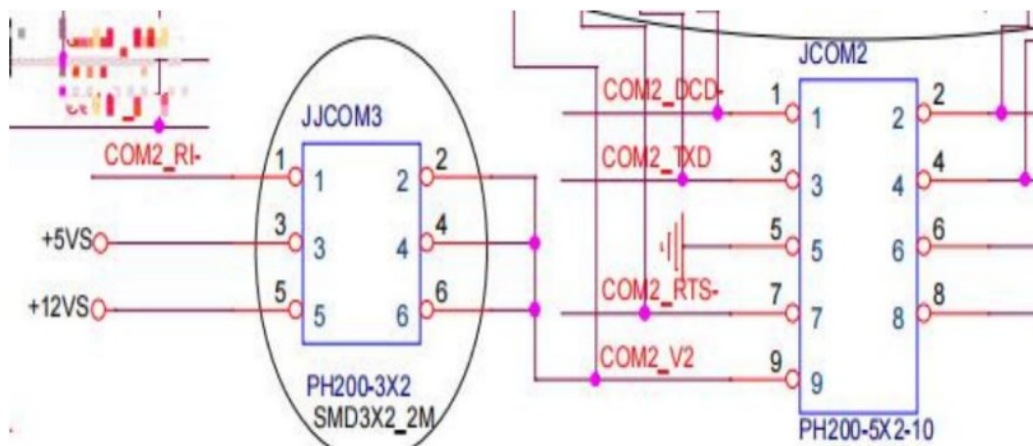
2.1.16 Definition of the power supply terminal interface

DC IN2 XH2.54/4PIN	
stitch	definition
1	GND
2	GND
3	VCC (12V-36V)
4	VCC(12V-36V)

2.1.17 JJCOM1 Interface definition (select by corresponding function of hop cap JCOM1 pin9)



2.1.18 JJCOM3 Interface Definition (Change the JCOM2 pin9 function selection by jumping the cap)



FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Documents / Resources

Smarty 8 inch

• 8 inch x 11 inch
• 11 inch x 11 inch
• 11 inch x 11 inch
• 11 inch x 11 inch
• 11 inch x 11 inch

TYPE	Parameter information
Model	K11604007
Material	Aluminum alloy
Color	Black
Weight	1.2kg
Size	11 inch x 11 inch x 1.2 inch
Power supply	5V 1A
Working voltage	5V
Working current	100mA
Working temperature	-10°C ~ 50°C
Storage temperature	-20°C ~ 60°C
Relative humidity	10% ~ 90%
Shock resistance	150g, 10ms
Vibration resistance	10g, 10ms
IP grade	IP65
Material	Aluminum alloy
Color	Black

References

- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.