



# C1000 mPOS User Manual

Version 1.0



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## SAFETY AND WARRANTY

1. Read these safety instructions carefully.
2. Disconnect the equipment from power outlet before cleaning, disassembly or transport. Do not use liquid or spray detergents for cleaning. Use a damp cloth only and avoid any prolonged contact with moisture.
3. Keep the unit away from humidity.
4. Place the unit on a sturdy surface before servicing or operation to prevent accidental drops.
5. The openings on the enclosure are for ventilation. Do NOT cover the openings.
6. Make sure the voltage and load ratings of the power source are correct before connecting the equipment to the power outlet.
7. Position the power cord to prevent accidental tripping. Do not twist, pinch or clip the power cord.
8. All cautions and warnings printed on the equipment should be followed.
9. If the equipment is not used for a long time, disconnect it from the power source.
10. Never pour any liquid into openings. This could cause fire or electrical shock.
11. For safety reasons, only qualified service personnel should open and service the equipment.
12. If any of the following situations arises, get the equipment checked by service personnel:
  - The power cord, plug, or adapter is visibly damaged.
  - Liquid has entered into the equipment.
  - The equipment has been exposed to moisture.
  - The equipment has been dropped and damaged.
  - The equipment has obvious signs of breakage.
13. DO NOT LEAVE THIS EQUIPMENT IN AN UNCONTROLLED ENVIRONMENT WHERE THE STORAGE TEMPERATURE IS BELOW -20 °C (-4 °F) OR ABOVE 60 °C (140 °F).

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### Main Features:

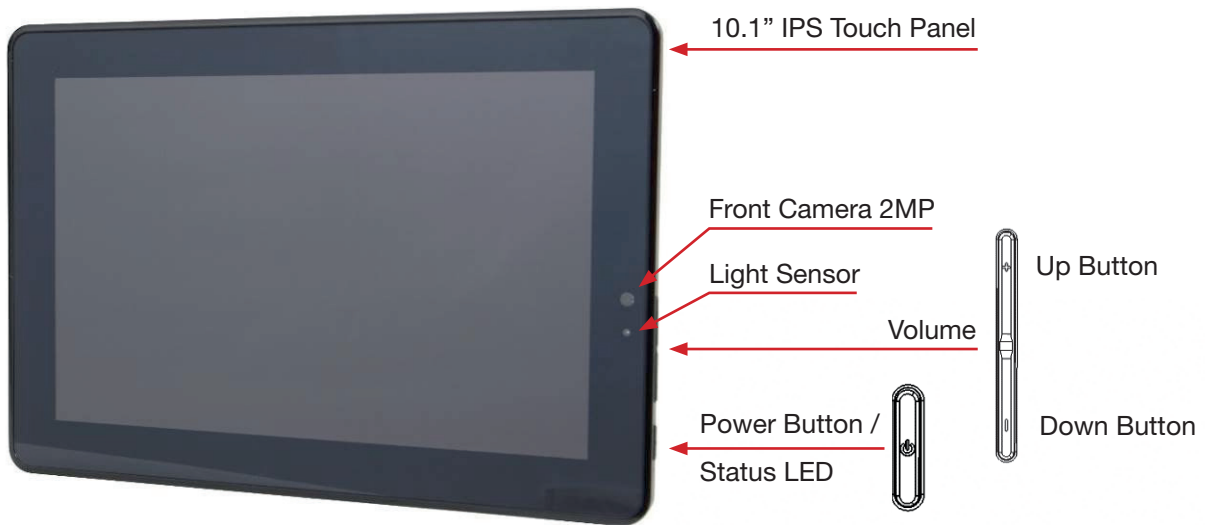
- Windows and Android compatible POS tablet
- Ruggedized for tough environments
- High-quality, durable tempered glass with P-Cap touch
- With IP54-rating-compliant front panel and able to withstand drops of up to 1.2 m
- Variety of supported devices: EMV reader, MSR, NFC, camera, 1D/2D scanner, 4G LTE, MicroSD card slot



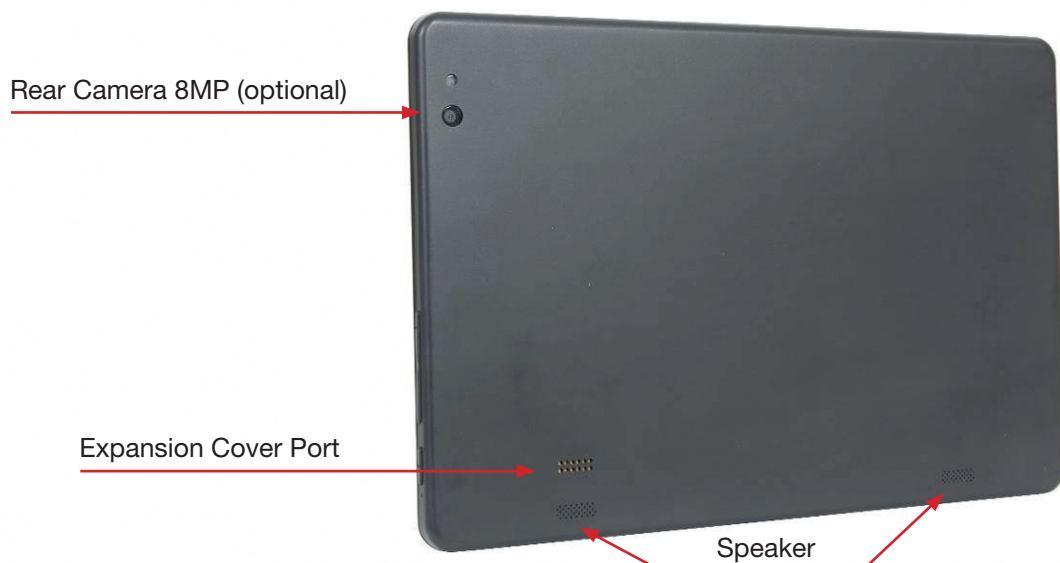
### C1000 mPOS packing list

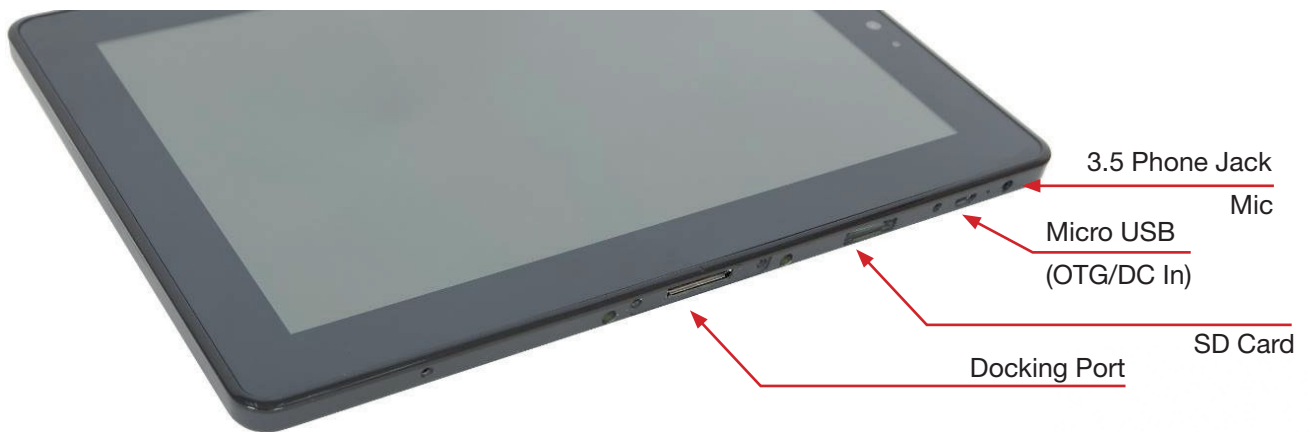
Standard		Optional & Peripherals	
1	10.1" Tablet POS Terminal	1	RJ-45 to D-sub9 adapter cable
2	5V 10W power adapter	2	Expansion Cover
3	Micro USB cable	3	Docking Station
		4	Optional 2 <sup>nd</sup> I/O panel
		5	12V 60W/150W power adapter

## C1000 mPOS

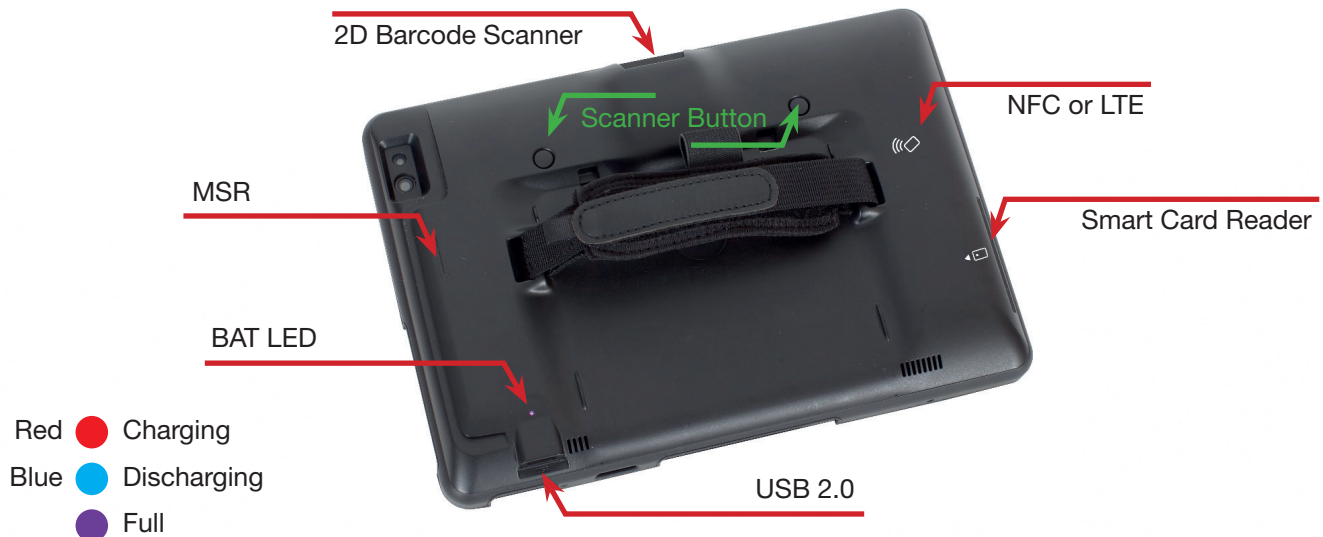


LED	STATUS	Note
RED	Battery charging	
BLUE	Battery discharging / System on	
PURPLE	Battery fully charged	
None	System off without charging / or Shipping Mode	





## Expansion Cover



LED	STATUS	Note
RED	2 <sup>nd</sup> battery charging	
BLUE	2 <sup>nd</sup> battery discharging	Charging 1 <sup>st</sup> battery
PURPLE	2 <sup>nd</sup> battery fully charged	
None	2 <sup>nd</sup> battery 0% / or Shipping Mode	

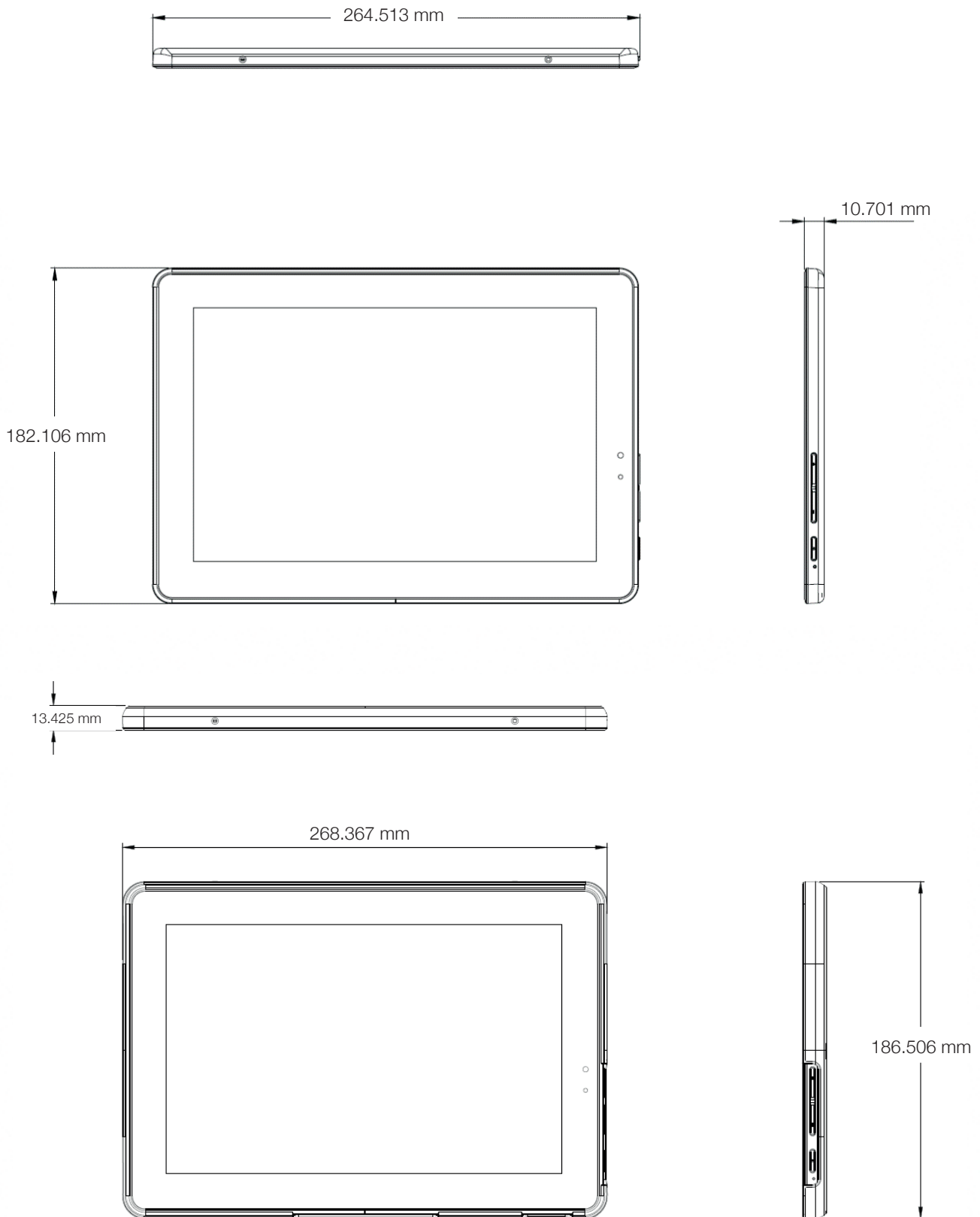


## C1000 mPOS Docking Station (Option)

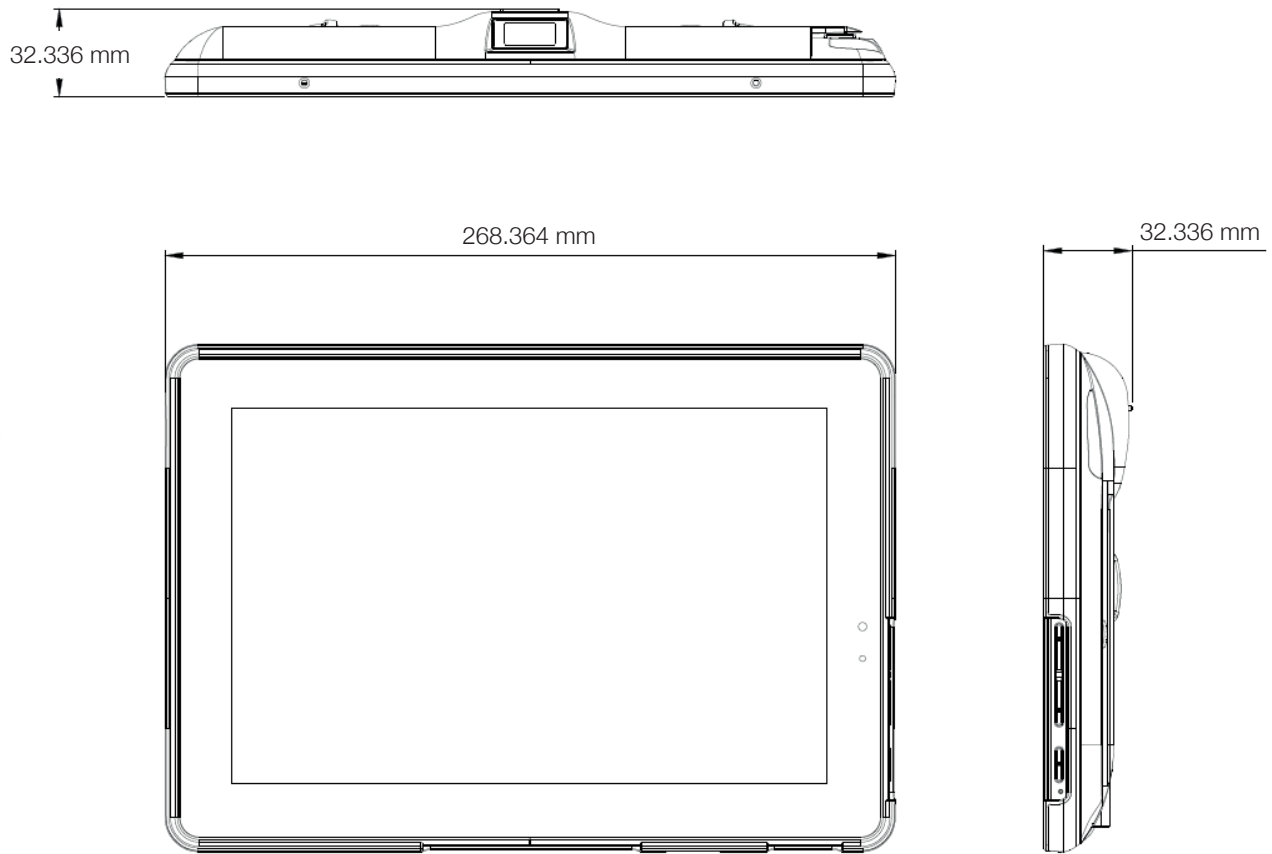




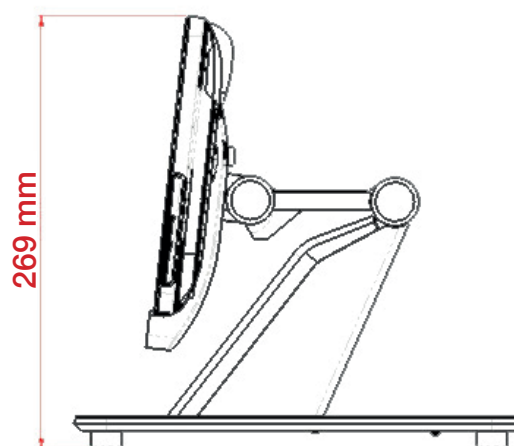
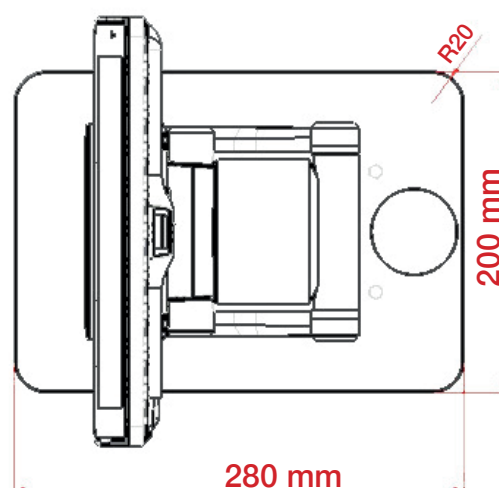
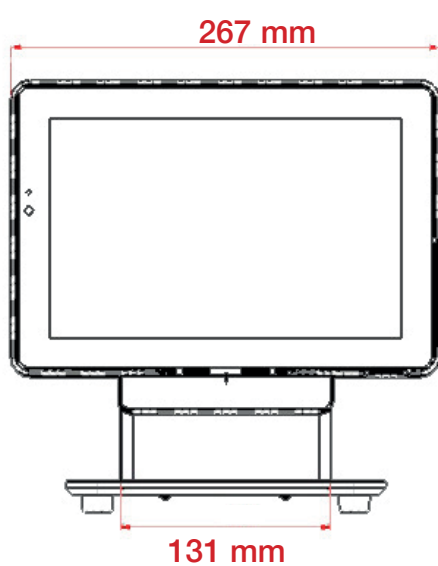
### Tablet dimensions



### Dimensions of tablet with Expansion Cover

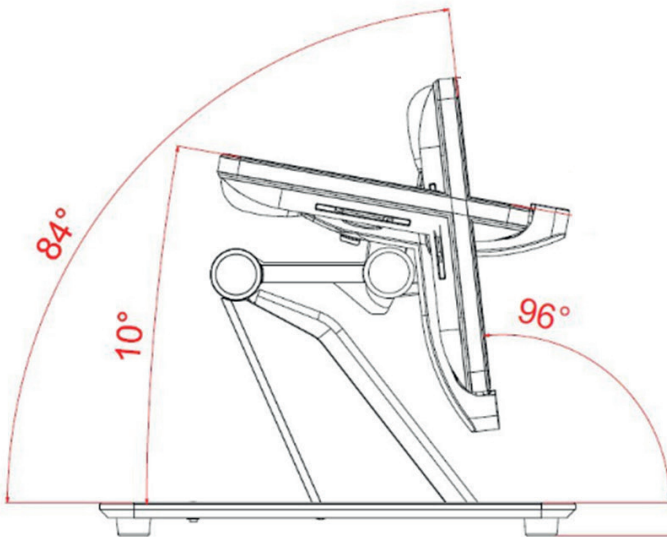


### Dimensions of tablet with Docking Station

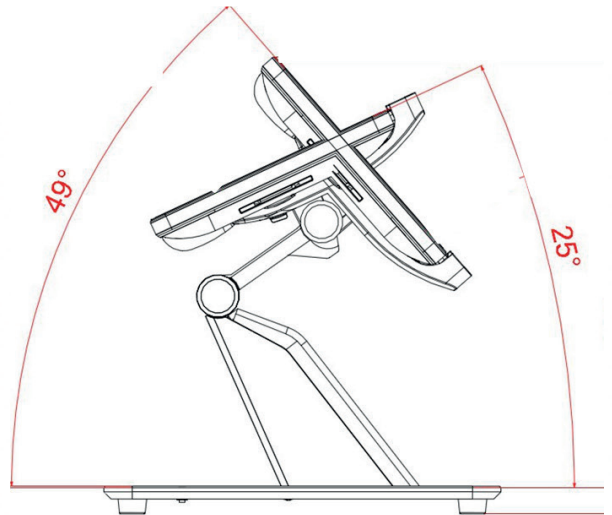


### Operation tilt angle & limitation

Tilt angle: 96° to 183°



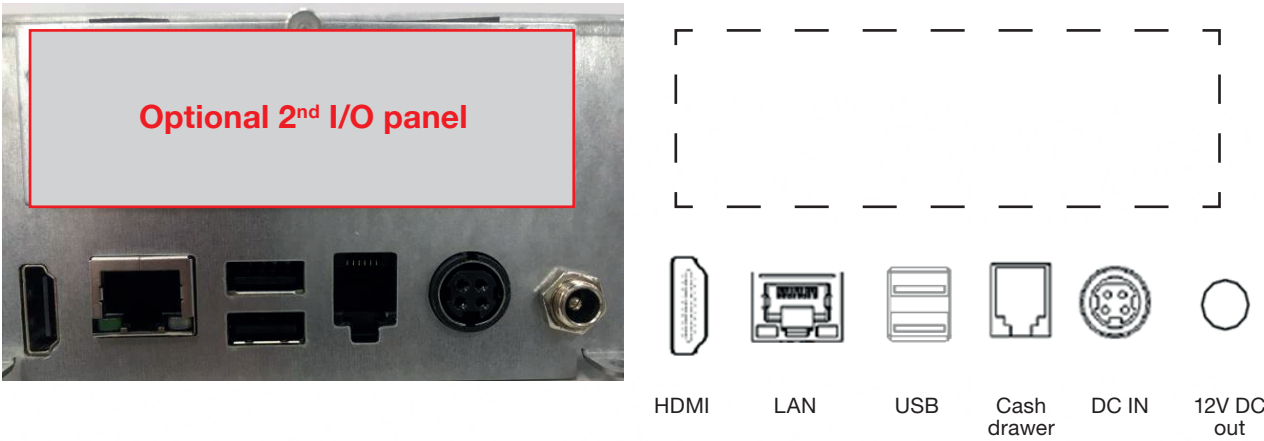
Lift angle: 35°



# CHAPTER 1

## Rear I/O panel connectivity

### Default I/O panel



### Optional 2nd I/O panel

2 <sup>nd</sup> IO type		
Type A		1*24V Out / 2*RJ45 COM Port
Type B		1*PUSB24V / 2*RJ45 COM Port
Type C		1*PUSB12V / 2*RJ45 COM Port
Type G		3*PUSB12V
Type H		1*PUSB24V / 2*PUSB12V

<b>I/O Port</b>	<b>Connector Type</b>	<b>Description</b>
12V DC out	DC out 2.5 mm	12 V DC out for 12V peripherals
12V DC in	DC-in (4 pin)	12 V power adapter
Cash Drawer	RJ-11	12 V cash drawer
USB	USB Type A	USB 2.0
USB	USB Type A	USB 2.0 / 3.0
Ethernet	RJ-45	10/100 LAN
Video	HDMI	2 <sup>nd</sup> LCD
<b>Option Type A</b>		
24V DC out	DC-out (3 Pin)	24V DC Output
COM 5	RJ-45	Serial port COM 5 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
COM 6	RJ-45	Serial port COM 6 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
<b>Option Type B</b>		
24V USB 2.0	24V USB	24V USB device
COM 5	RJ-45	Serial port COM 5 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
COM 6	RJ-45	Serial port COM 6 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
<b>Option Type C</b>		
12V USB 2.0	12V USB	12V USB device
COM 5	RJ-45	Serial port COM 5 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
COM 6	RJ-45	Serial port COM 6 (select with jumper) RI—NA LED ; 5V—Green Light ; 12V – Orange Light
<b>Option Type G</b>		
12V USB 2.0 *3	12V USB	12V USB device
<b>Option Type H</b>		
24V USB 2.0	24V USB	24V USB device
12V USB 2.0 *2	12V USB	12V USB device

### Hardware installation

#### Expansion Cover Installation

1. Turn off power and remove power cord from the terminal.

Put the tablet into the Expansion Cover.



Insert left side first.



Press the tablet into position.



Fasten the 4 screws to fix the tablet and Expansion Cover.





### Activate from shipping mode

Activate from shipping mode: Apply 5V DC voltage to Micro USB port.



### Docking Station lock & release

#### 1. Lock Tablet

Step 1. Place the Docking Station on a stable surface.



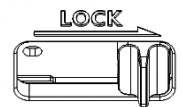
Step 2. Properly dock the tablet to the stand.



Step 3. Push locker from left to right.



Step 4. Check that the lock position is as shown in the picture.



#### 2. Unlock Tablet

Step 1. Push green button to unlock tablet.



Step 2. Remove tablet.



### Installation of a SIM card in the Expansion Cover

1. Remove 4 screws



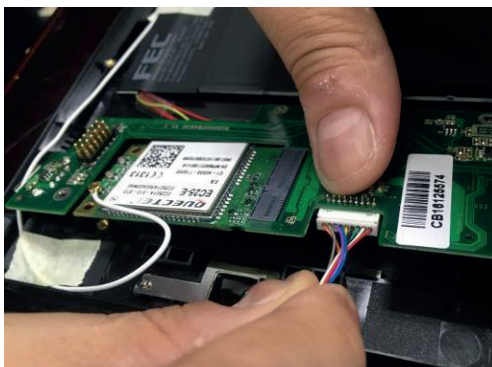
2. Remove tablet (pull out)
3. Remove 10 screws in Expansion Cover



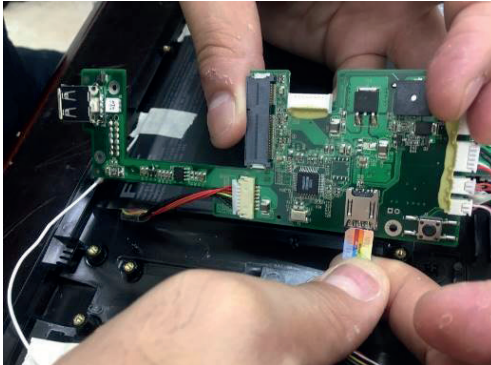
4. Remove 6 screws on PCB



5. Remove connector and module



### 6. Insert SIM card in slot



### 7. Put module back



### 8. Put connector back



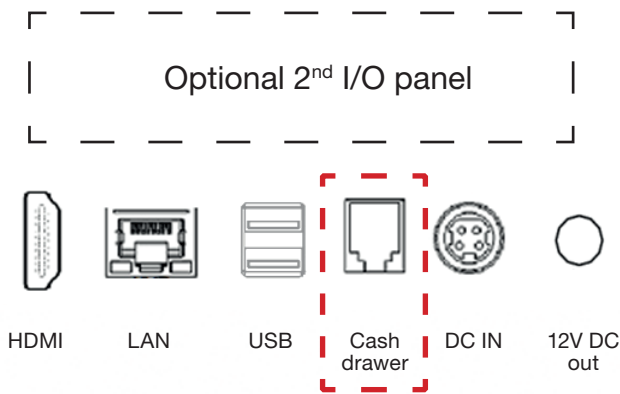
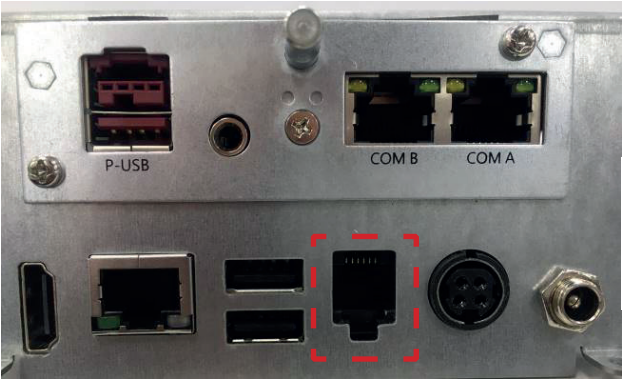
### 9. Fasten 6 screws for PCB & fasten 10 screws for Expansion Cover





Cash drawer installation

Before connecting the cash drawer to the stand, please make sure the drive voltage and cable pin assignment of the cash drawer matches the definition of the cash drawer port.



```
IO_BASE_ADDRESS = 0xfed80000;  
R_PCH_CFIO_SOUTHWEST = 0x00;  
R_PCH_CFIO_NORTH = 0x 8000
```

Cash Drawer 1: DIO with RJ-11 connector	
PIN no.	Signal description
1	Ground
2	DIO Out 1
3	+12V
4	DIO IN 0
5	DIO Out 0
6	Ground

### Customer display Installation

#### 1. Assemble pole type customer play module

Open Customer display package.



Content: VFD x 1, Pole x 2 RJ45 to RJ45 cable, Aluminum stand x 1, black plastic x 1, Screw x 8



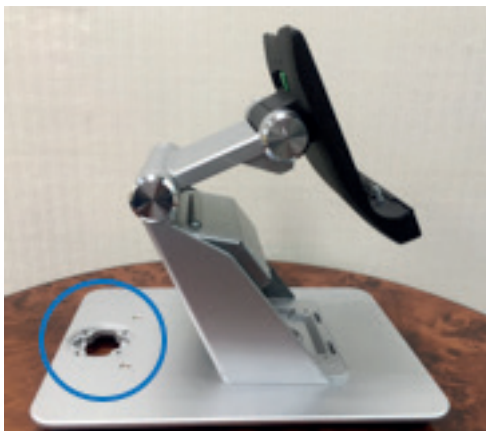
Assemble pole



4 Screw for Aluminum Stand



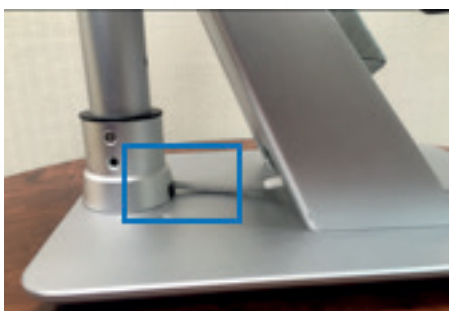
2. Assemble pole type customer play module with Main unit  
Remove cable cover from Main unit stand



put cable into main unit



Make sure pole install in the correct position.



4 Screw for the Main unit fix pole module





Connect RJ45 cable with stand Interface.


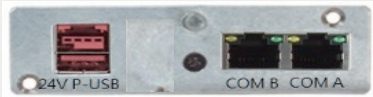



### COM port setting

This section showing

1. COM port position.
2. How to adjust voltage RI or 5V or 12V by jumper on the PCB board.
3. Mode setting.

#### Comport position:

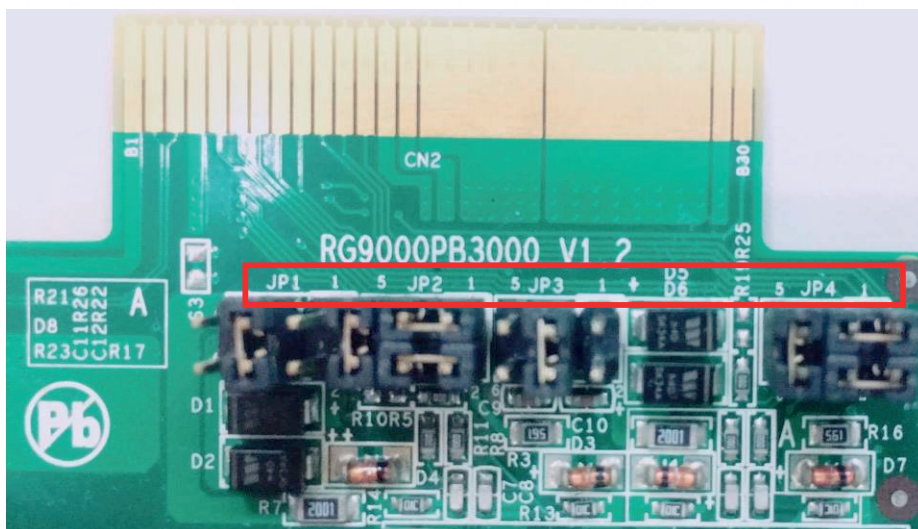
2 <sup>nd</sup> IO type		
Type A		1*24V Out 、 COM6 、 COM5
Type B		1*PUSB24V 、 COM6 、 COM5
Type C		1*PUSB12V 、 COM6 、 COM5

#### Adjust voltage & Mode setting






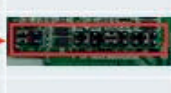
Example Type C option IO:

JP1 & JP2 are for COM6 setting  
JP3 & JP4 are for COM5 setting

To adjust COM6 voltage set as 12V. (Put jumper on JP1, short pin 5 & 6)  
To set COM6 as VFD mode (Put jumper on JP2, short pin 1&2, 3&5, 4&6)



(Reference Table)

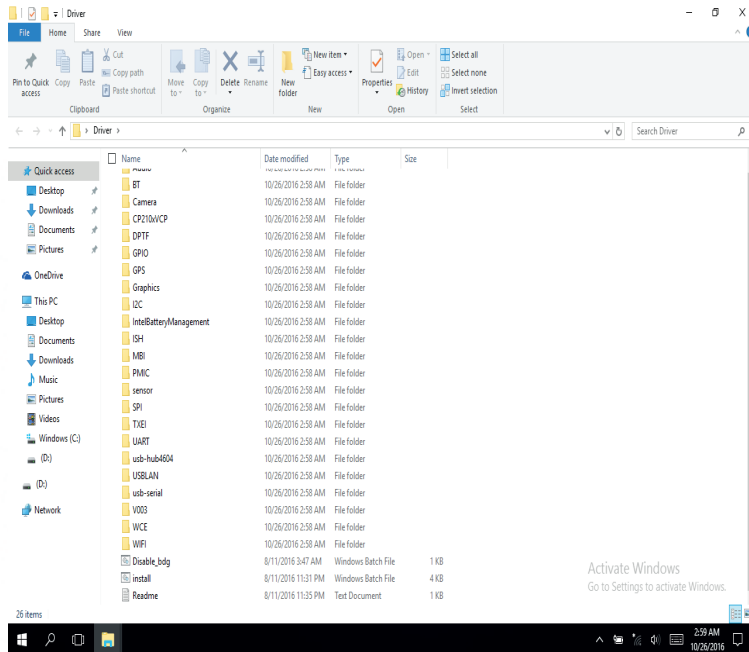
<b>Type A(CB3010)</b> 		<b>JP7(COM A)</b>		<b>JP8(COM A)</b>		<b>JP5(COM B)</b>		<b>JP6(COM B)</b>	
		Short pin	Pin name	Short pin	Mode	Short pin	Pin name	Short pin	Mode
		1-2	5V	1-2,3-5,4-6	VFD	1-2	5V	1-2,3-5,4-6	VFD
		3-4	RI	1-3,2-4	RS232	3-4	RI	1-3,2-4	RS232
<b>Type B(CB3120)</b> 		<b>JP3(COM A)</b>		<b>JP4(COM A)</b>		<b>JP1(COM B)</b>		<b>JP2(COM B)</b>	
		Short pin	Pin name	Short pin	Mode	Short pin	Pin name	Short pin	Mode
		1-2	5V	1-2,3-5,4-6	VFD	1-2	5V	1-2,3-5,4-6	VFD
		3-4	RI	1-3,2-4	RS232	3-4	RI	1-3,2-4	RS232
<b>Type C(CB3000)</b> 		<b>JP3(COM A)</b>		<b>JP4(COM A)</b>		<b>JP1(COM B)</b>		<b>JP2(COM B)</b>	
		Short pin	Pin name	Short pin	Mode	Short pin	Pin name	Short pin	Mode
		1-2	5V	1-2,3-5,4-6	VFD	1-2	5V	1-2,3-5,4-6	VFD
		3-4	RI	1-3,2-4	RS232	3-4	RI	1-3,2-4	RS232
		5-6	12V			5-6	12V		

## Software installation and setup

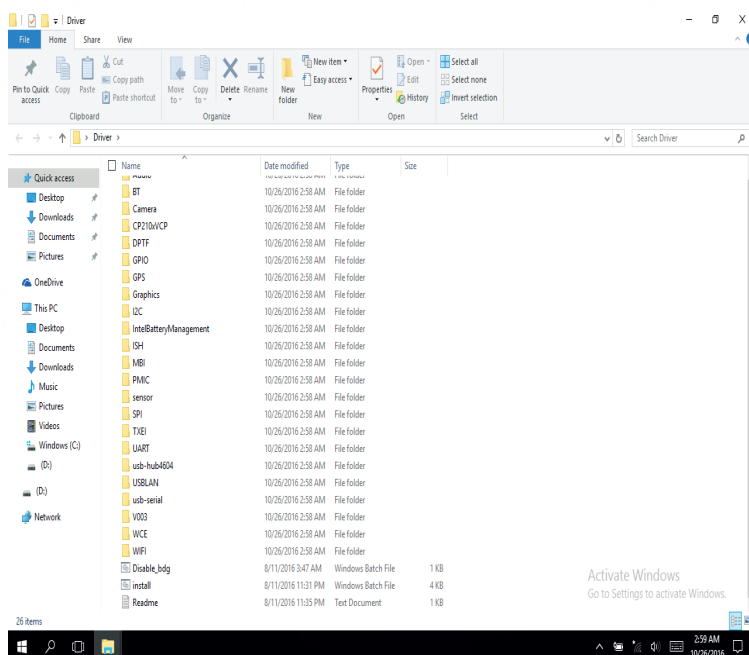
### Chipset Driver Installation

Intel Chipset Installation Utilities for Windows 10

1. Copy the drivers.zip file to your device, and unzip it.
2. Right click install.bat file, select “Run as administrator” to install the drivers.



3. After the drivers install completely, then right click Disable\_bdg.bat file, select “Run as administrator” to run it.



4. After run completely, restart the device.

### LTE module driver installation

1. The image below shows that the system has not installed the driver.

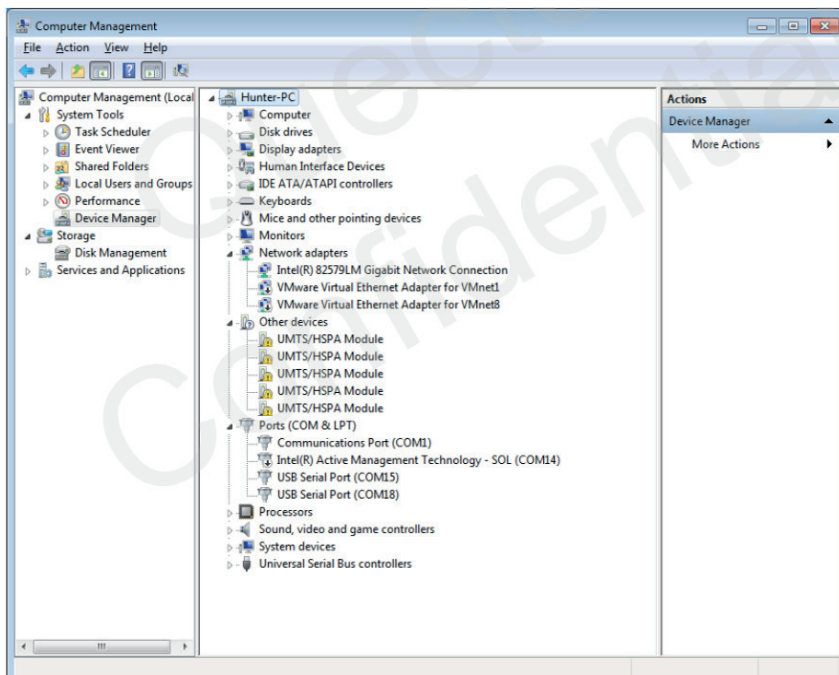
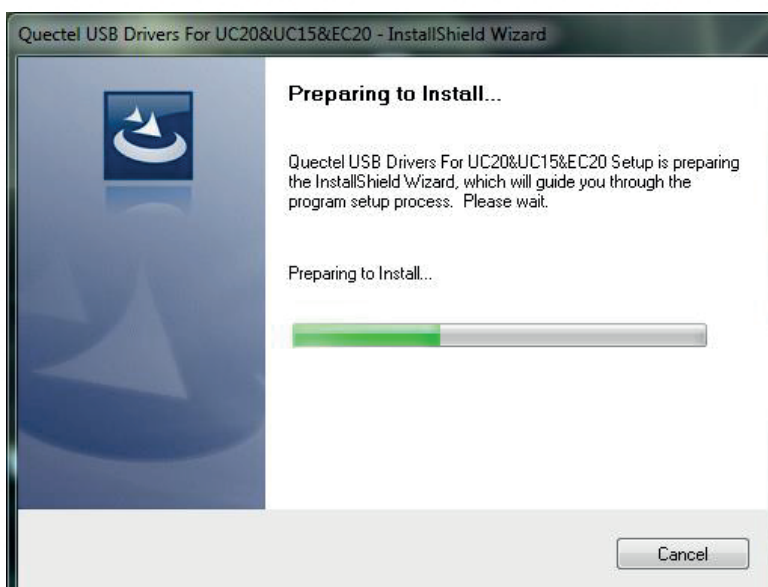


Image 1: Driver not installed for EC25-E module

Note: You must ensure the EC25 module has been connected to the unit before installing the drivers.

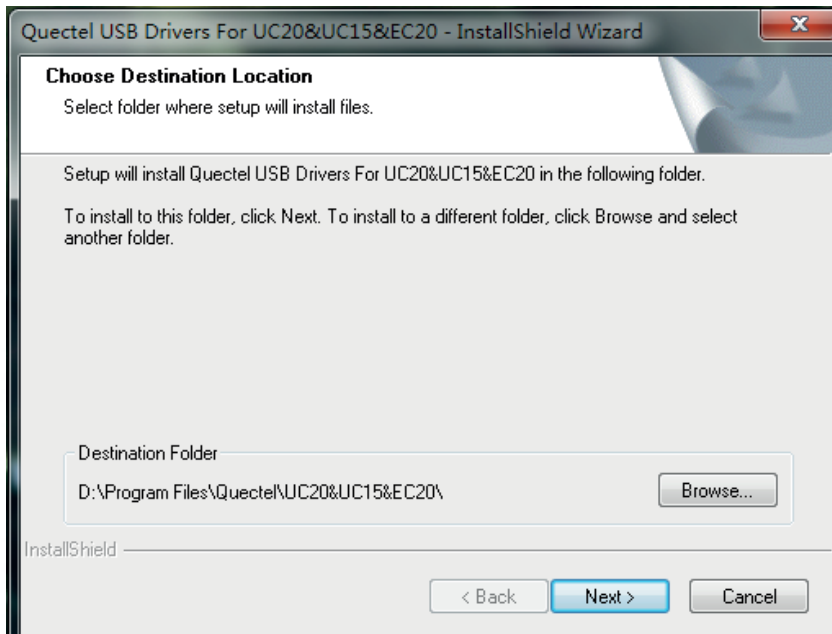
2. Check installation setting.

Note: Please get the latest installation package.



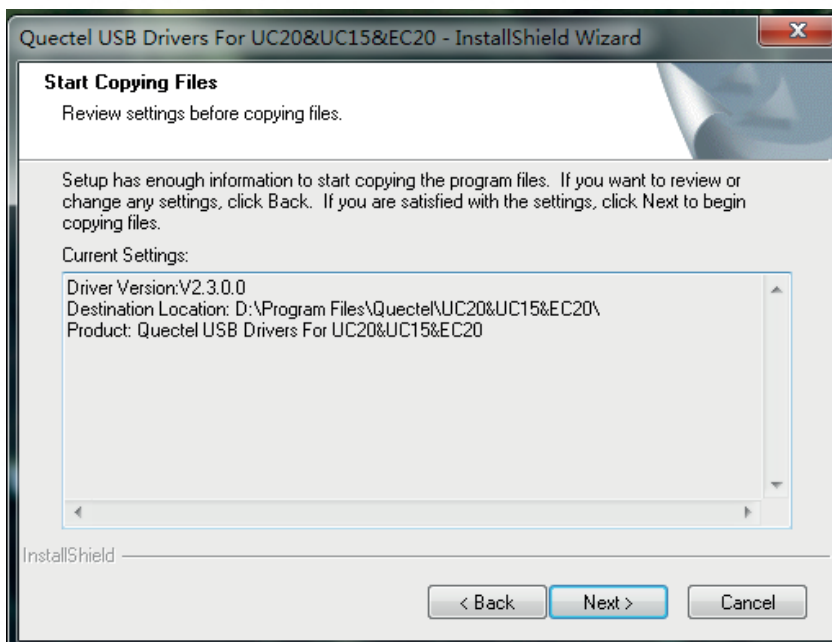
## 3. Choose destination location

If you do not want to change the default location, please click “Next” directly to go on.



## 4. Prepare driver files needed for installation.

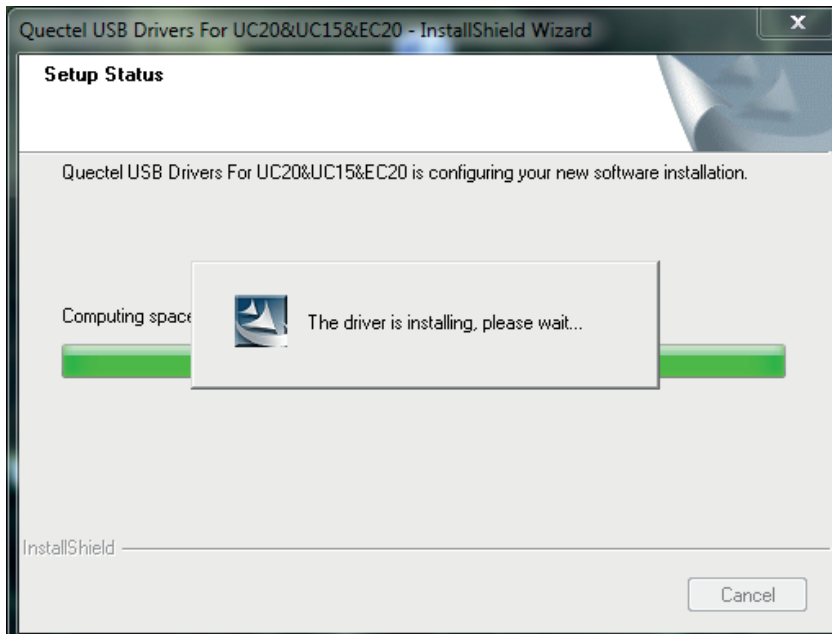
Click “Next” to go on, as shown below.





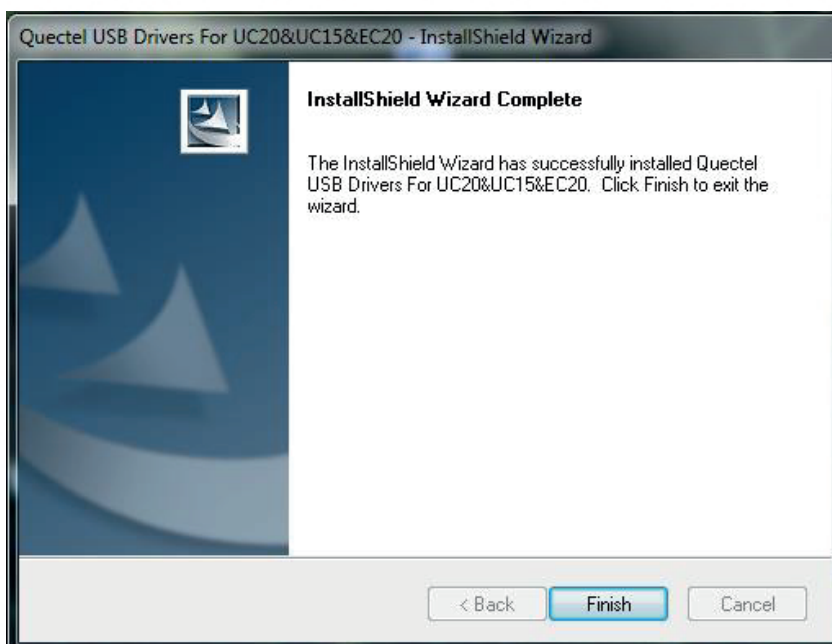
### 5. Automatic installation

It may take some time to install the drivers, please wait patiently for the process to complete.



### 6. Complete Installation

The drivers have been installed completely, shown as below.





## Specifications



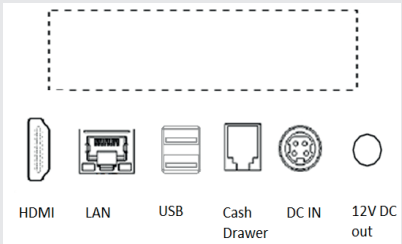
Specifications	
<b>Screen</b>	10.1" IPS, 1280x800, 350 nits, 25K
<b>Touch</b>	Projected Capacitive (Multi-touch)
<b>Processor</b>	Intel Cherry Trail Quad Core Atom X5 Z8300 1.44 GHz ~ 1.84 GHz
<b>OS</b>	Windows 10, Android 5.1
<b>Built-in Storage</b>	eMMC 64G (Windows), eMMC 32G (Android)
<b>2nd Storage</b>	Micro SD Card Slot (max.: 128 GB)
<b>Memory</b>	LP DDR3 4G (Windows), LP DDR3 2G (Android)
<b>Camera</b>	Front camera: 2 MP (default), Rear camera: 8 MP (optional)
<b>Connection</b>	Wifi 802.11 b/g/n, Bluetooth 4.0
<b>Battery</b>	Non-Removable 6800 mAh Li-on
<b>Sensor</b>	Accelerator-sensor / Gyroscope / Light sensor
<b>Line out</b>	3.5 mm phone jack
<b>Micro USB</b>	DC in
<b>Mic In</b>	DMIC
<b>Speakers</b>	1W x 2 Speakers
<b>Size &amp; Weight</b>	264.5 mm x 182 mm x 10.7 mm; 678 g



### Specifications

<b>Protection</b>	Drop specs. 1.2 m
<b>Add-on Options</b>	MSR (ISO T1/2/3)
	1D/2D scanner
	IC card reader
	NFC Reader/Writer
	Battery 6800 mAh
	1 x USB 2.0 port
	4G LTE module
<b>Size &amp; Weight</b>	268 mm x 187 mm x 32.3 mm, 458 g (depends on add-on devices)
<b>Expansion Cover with peripheral options (max. 3 items), 1 x USB 2.0 port (NFC, IC card reader and 4G LTE antenna share the same USB port and position, cannot co-exist).</b>	



Specifications	
Default I/O panel	HDMI
	LAN port
	USB 2.0 x 2
	Cash drawer (RJ-11)
	DC 12V in
	DC 12V out
Power Adapter	12V 60W / 12V 150W (with 2 <sup>nd</sup> I/O)
Optional I/O panel	Type A / B / C / G / H