

USER MANUAL

VERSION 1.0 May 2017

SWING Mobile PC



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TRADEMARK

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Safety

Regulatory Information

Caution: Only use approved and UL Listed accessories, battery packs and battery chargers. Do NOT attempt to charge damp/wet mobile computers or batteries. All components must be dry before connecting to an external power source.

Power Supply

Use only the approved power supply 50-14000-148 output rated 5 Vdc and minimum 2 A. The power supply is certified to EN60950-1 with SELV outputs. Use of alternative power supply will invalidate any approval given to this device and may be dangerous.

Warning for Use of Wireless Devices

Please observe all warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

Safety in Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers

Persons with Pacemakers should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON and hence they should not carry the device in a breast pocket .

Should use the ear furthest from the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, turn OFF your device.

Hearing Aids

The wireless device may interfere with some hearing aids. In the event of interference you may want to consult your hearing aid supplier to discuss solutions.

Other Medical Devices

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

FCC/EU RF Exposure Guidelines

FCC 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.

This device complies with FCC SAR exposure limits set forth for an uncontrolled environment.

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.

Caution!

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

CE Marking and European Economic Area

The use of 2.4GHz WLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz.
- France, outside usage is restricted to 2.4 - 2.454 GHz.
- Italy requires a user license for outside usage.

Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz.
- France, outside usage is restricted to 10mW EIRP.
- Italy requires a user license for outside usage.

Battery Information

Our rechargeable battery packs are designed and constructed to the highest standards within the industry. However, there are limitations to how long a battery can operate or be stored before needing replacement.

Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops. When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries discharged in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, they should be charged and discharged at least once a year. If an electrolyte leakage is observed, avoid any contact with affected area and properly dispose of the battery. Batteries must be charged within the 32° to 95° F (0° to +35° C) ambient temperature range.

Replace the battery when a significant loss of run time is detected.

Battery Caution

Risk of explosion if battery is replaced by an incorrectly type.

Dispose of used battery according to the local disposal instructions.



Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to the reseller for recycling.

Notational Conventions

The following conventions are used in this document:

- Italics are used to highlight specific items in the general text, and to identify chapters and sections in this and related documents.
- bullets (•) indicate:
 - action items
 - lists of alternatives
 - lists of required steps that are not necessarily sequential
 - Sequential lists (e.g., those that describe step-by-step procedures) appear as numbered lists.

NOTE This symbol indicates something of special interest or importance to the reader. Failure to read the note will not result in physical harm to the reader, equipment or data.

CAUTION This symbol indicates that if this information is ignored, the possibility of data or material damage may occur.

WARNING! This symbol indicates that if this information is ignored the possibility that serious personal injury may occur.

Revision History

Changes to the original user manual are listed below:

Revision	Description	Date
1.0	• Initial release	May 2017

Table of Contents

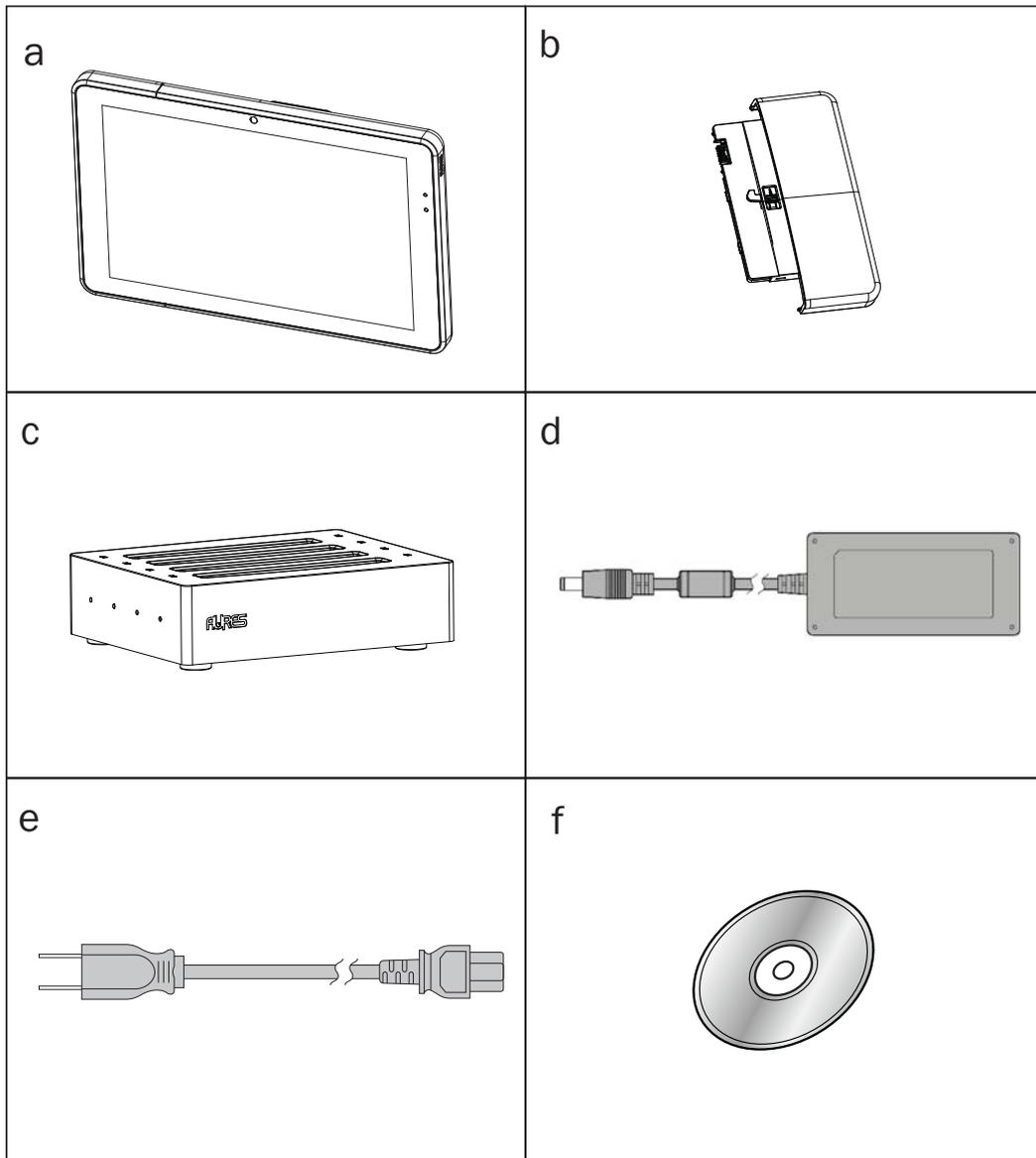
1. Packing List	1
1-1. Standard Accessories	1
1-2. Optional Accessories.....	2
2. System View.....	3
2-1. Swing Mobile Tablet	3
2-1-1. Features.....	3
2-1-2. Dimensions.....	4
2-2. Docking Station - Charging Cradle	4
2-2-1. Features.....	4
2-2-2. Dimensions.....	4
2-3. Docking Station - Wall Mount.....	5
2-3-1. Features.....	5
2-3-2. Dimensions.....	5
2-4. Docking Station - Pole Mount.....	6
2-4-1. Features.....	6
2-4-2. Dimensions.....	6
2-5. Docking Station - Hinge Type I/O Box	7
2-5-1. Features.....	7
2-5-2. Dimensions.....	7
3. Basic Operation	8
3-1. Power On/Off the System	8
3-2. Replacing the Battery	9
3-3. Using the Charging Cradle	10

4. Peripherals Installation	11
4-1. Installing the Docking Station - Wall Mount	11
4-1-1. Releasing the Swing Mobile Tablet from docking station	11
4-2. Installing the Docking Station - Pole Mount	12
4-3. Installing the Docking Station - Hinge I/O Box	13
4-4. Installing the MSR module	14
4-5. Installing a 3G or microSD™ Card	14
5. Specification	15
5-1. Swing Mobile Tablet	15
5-2. Docking Station	16
Appendix: Drivers Installation	17

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1. Packing List

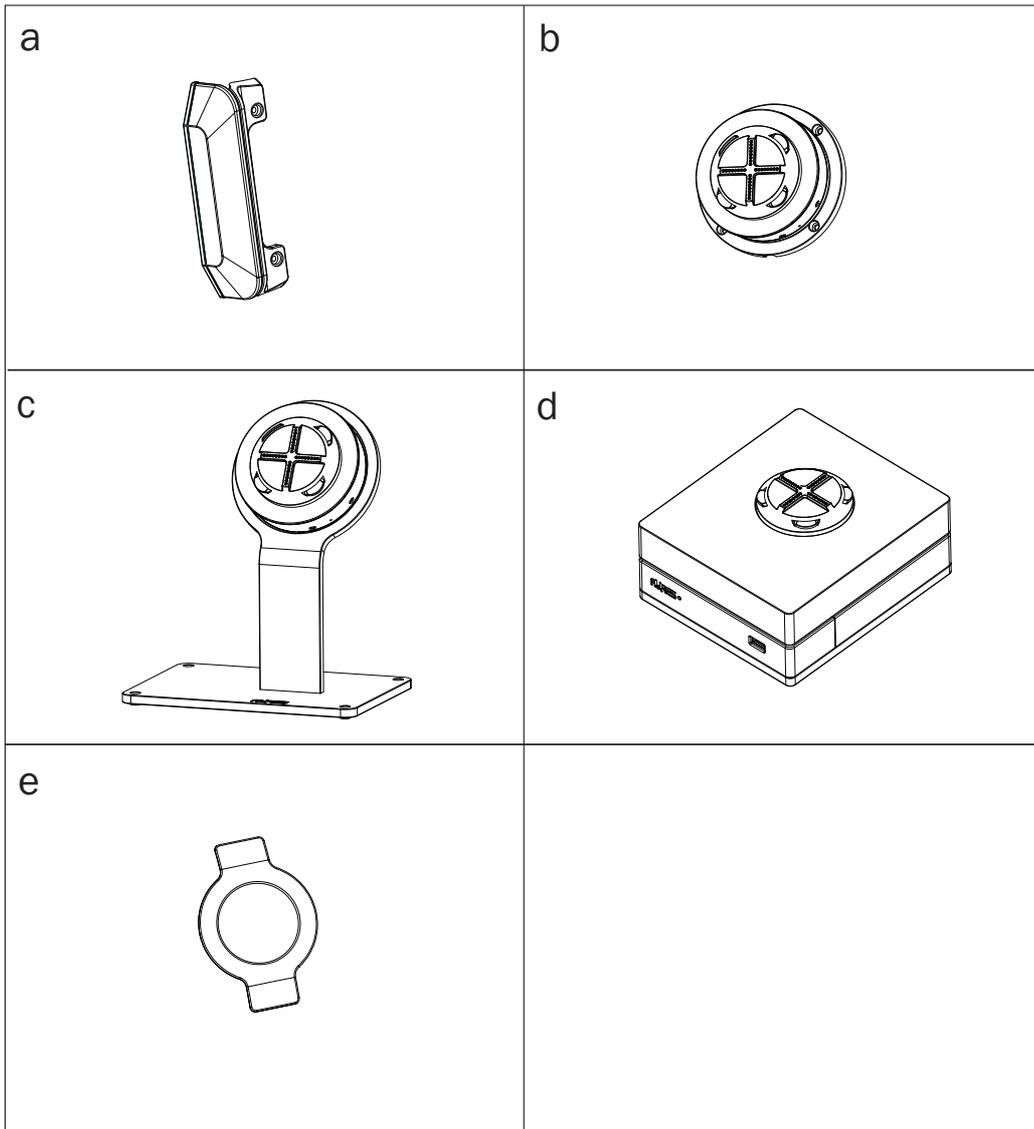
1-1. Standard Accessories



- a. Swing tablet
- b. Battery module
- c. Multi charging cradle
- d. Power adapter
- e. Power cord
- f. Driver CD

Note: Power cord will be supplied differently according to various region or country.

1-2. Optional Accessories

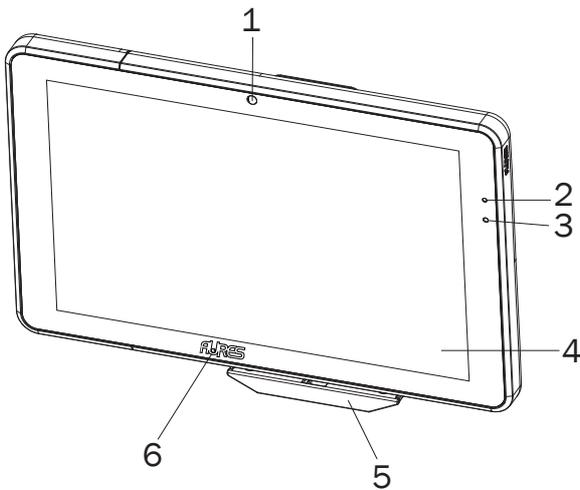


- a. MSR module
- b. POGO docking station - wall mount
- c. POGO docking station - pole mount
- d. POGO docking station - hinge I/O box
- e. Hand belt

2. System View

2-1. Swing Mobile Tablet

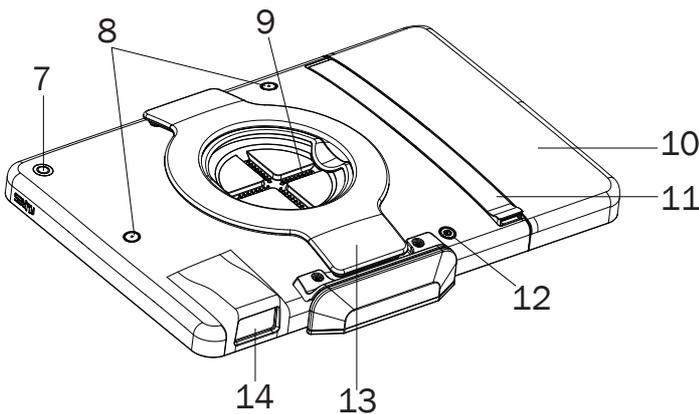
2-1-1. Features



No.	Description
1	Front camera
2	Power LED light indicator
3	Ambient light sensor
4	Touch screen
5	MSR module (optional)
6	Home key with Aures logo

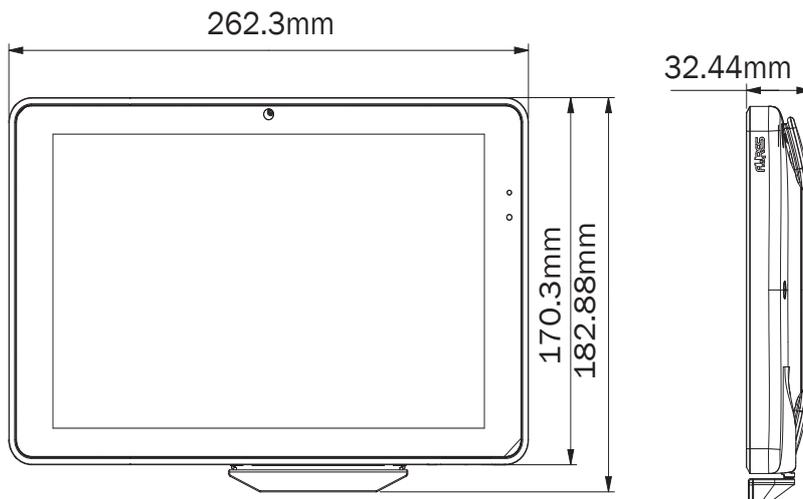
Tablet LED indicator:

- Green light- Full charged
- Orange light- Charging
- Red flash light- Low battery
- Red light- Critical low battery



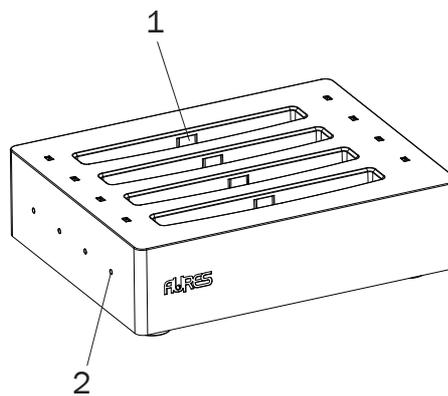
No.	Description
7	Rear camera
8	Sacanner button
9	POGO cover ring
10	Battery module
11	Arm stand
12	Power button
13	Hand belt
14	2D Scanner

2-1-2. Dimensions



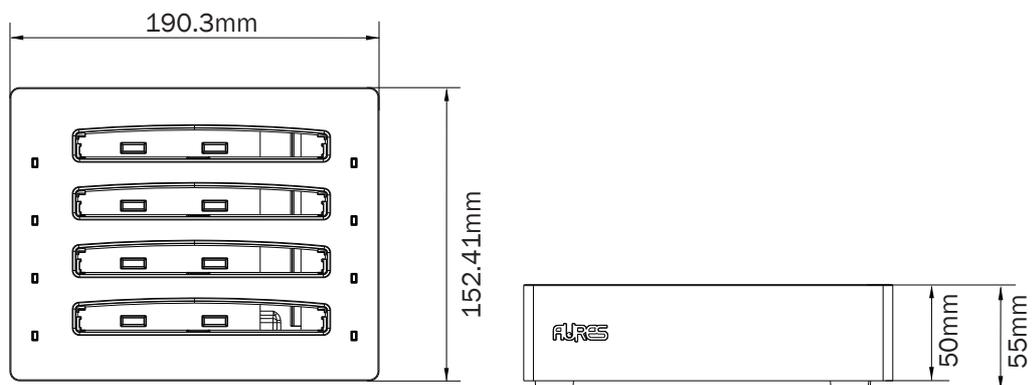
2-2. Docking Station - Charging Cradle

2-2-1. Features



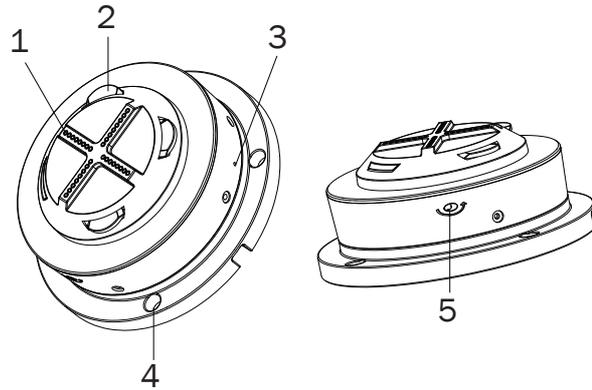
No.	Description
1	Charging slot
2	Charging level LED

2-2-2. Dimensions



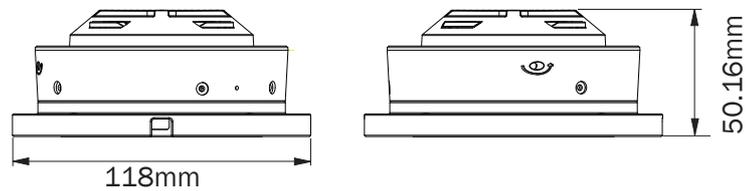
2-3. Docking Station - Wall Mount

2-3-1. Features



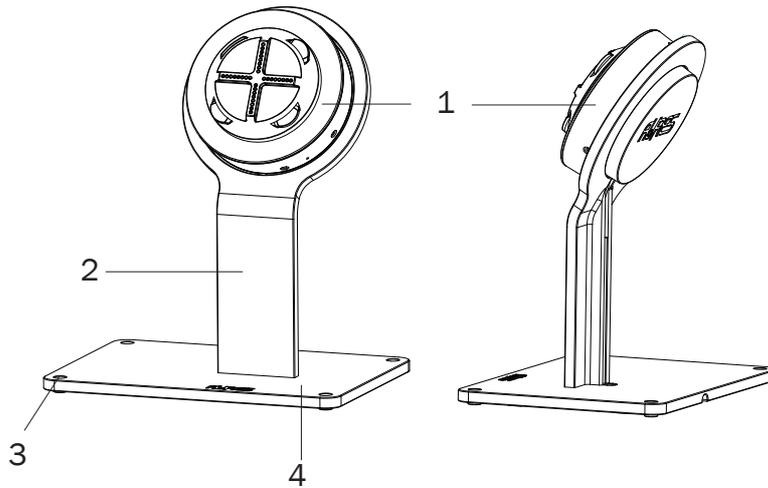
No.	Description
1	POGO docking connectors
2	Latch (x4)
3	Switch for unlocking the docking station and the tablet (when power is on)
4	Mounting hole (x4)
5	Access to unlock the docking station and the tablet (when power is off)

2-3-2. Dimensions



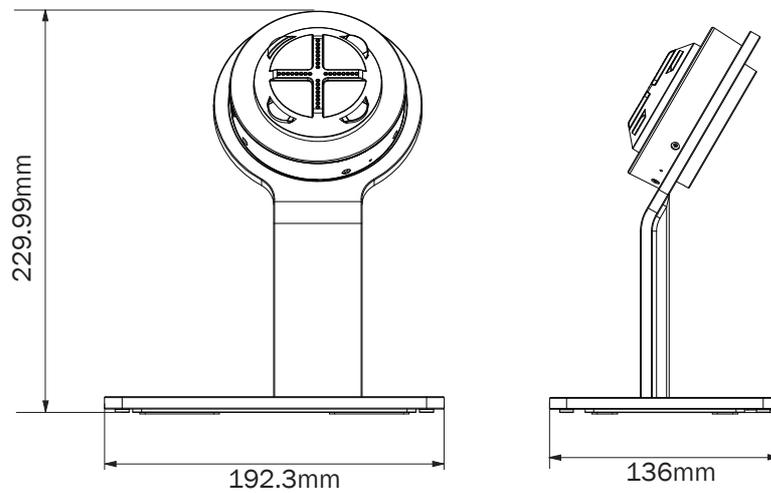
2-4. Docking Station - Pole Mount

2-4-1. Features



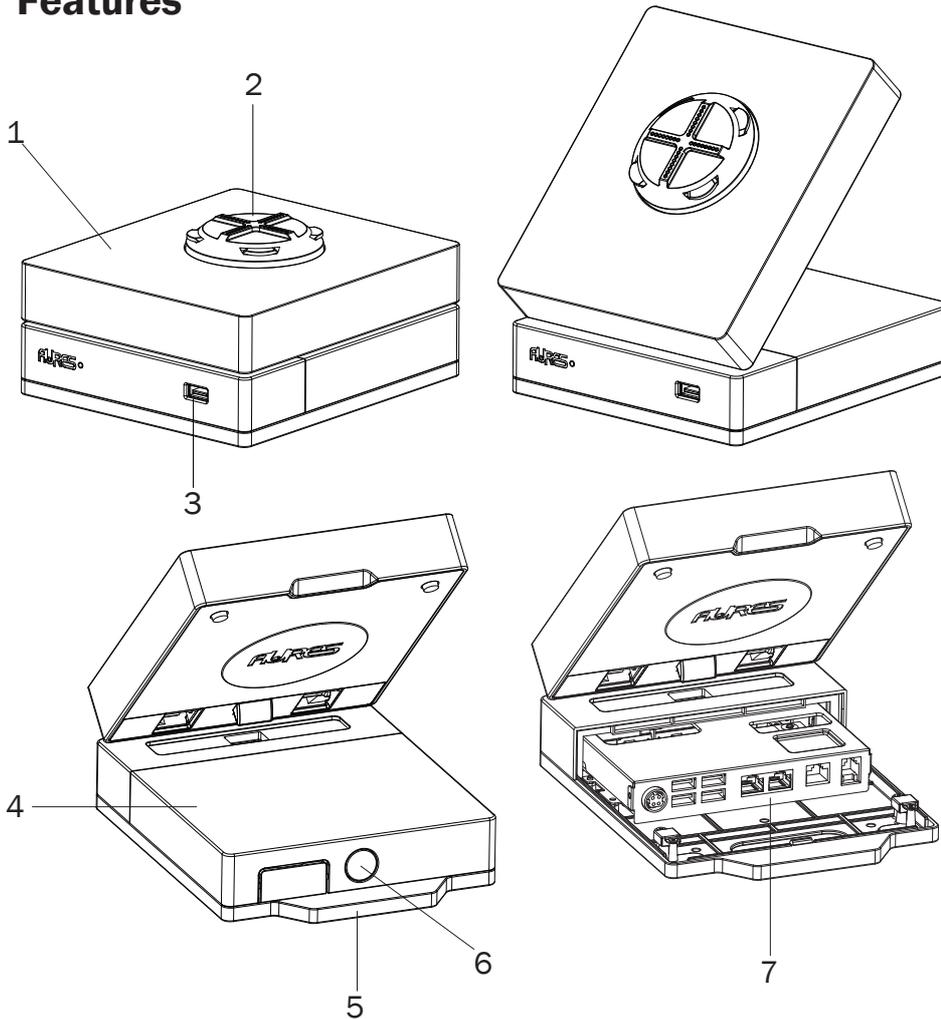
No.	Description
1	POGO housing
2	Pole supporter
3	Mounting hole (x4)
4	Base plate

2-4-2. Dimensions



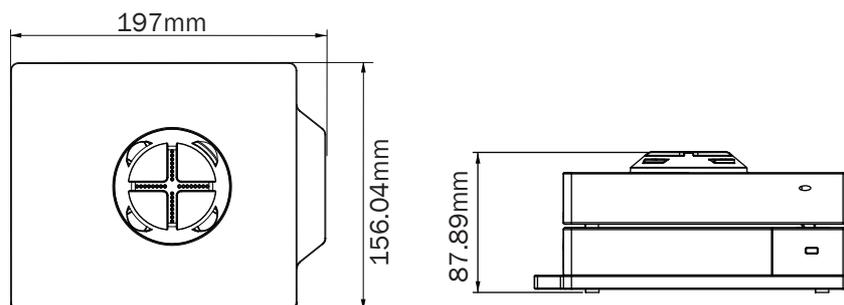
2-5. Docking Station - Hinge Type I/O Box

2-5-1. Features



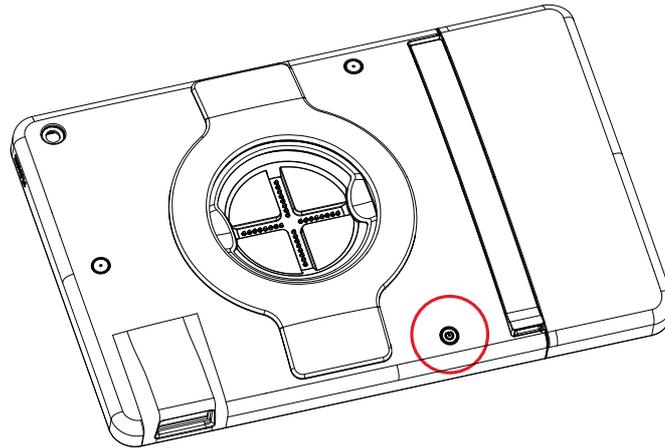
No.	Description
1	POGO housing
2	POGO cover
3	USB
4	Top cover of the hinge I/O box
5	Base plate of the hinge I/O box
6	Lock button of the top cover
7	I/O ports from left to right: DC jack 19V / USB2.0 x 4 / RJ45 COM x 2 / LAN / Cash drawer

2-5-2. Dimensions



3. Basic Operation

3-1. Power On/Off the System



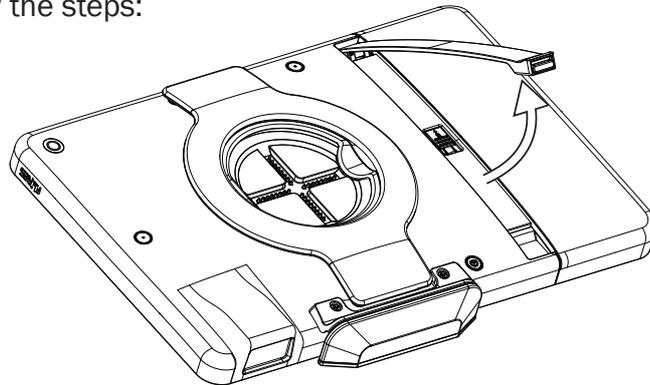
1. Make sure that the battery of the Swing Mobile Tablet has power.
2. Press and hold the power button 2 seconds on to turn on the system.
3. To turn off the power off manually, press and hold the power button 5 seconds.

NOTE: For best touch performance, remove the protective plastic overlay from the LCD screen by peeling it away from one of the corners. Be sure to use a soft pointing device or finger tip to avoid scratching the screen during normal use.

CAUTION: Turning the system on and off rapidly may damage it.

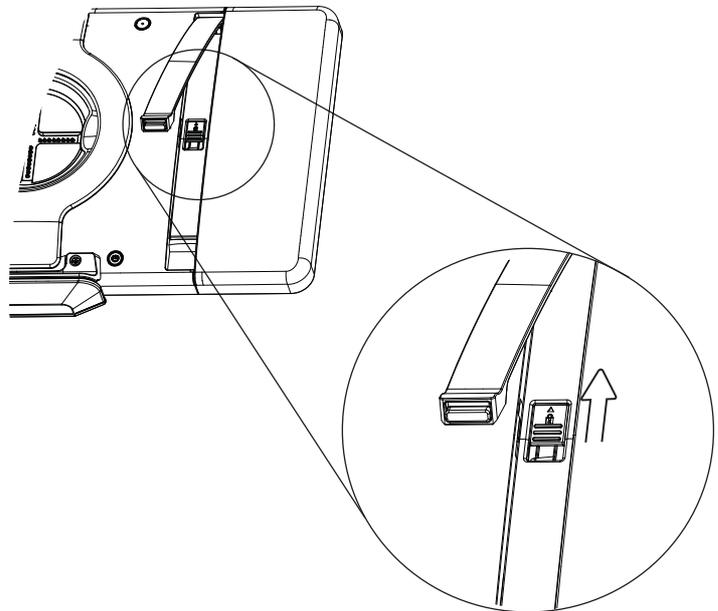
3-2. Replacing the Battery

The Swing Mobile Tablet is equipped with a hot-swappable 8000mAh battery that supports up to 8 hours per charge depending on usage. To replace the battery module, follow the steps:

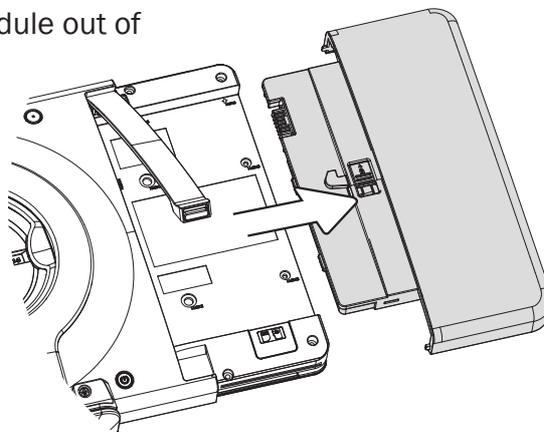


1. Make sure that the Swing Mobile Tablet is turned off.
2. Place the tablet face down on a flat surface. Next, pull the arm stand upwards.

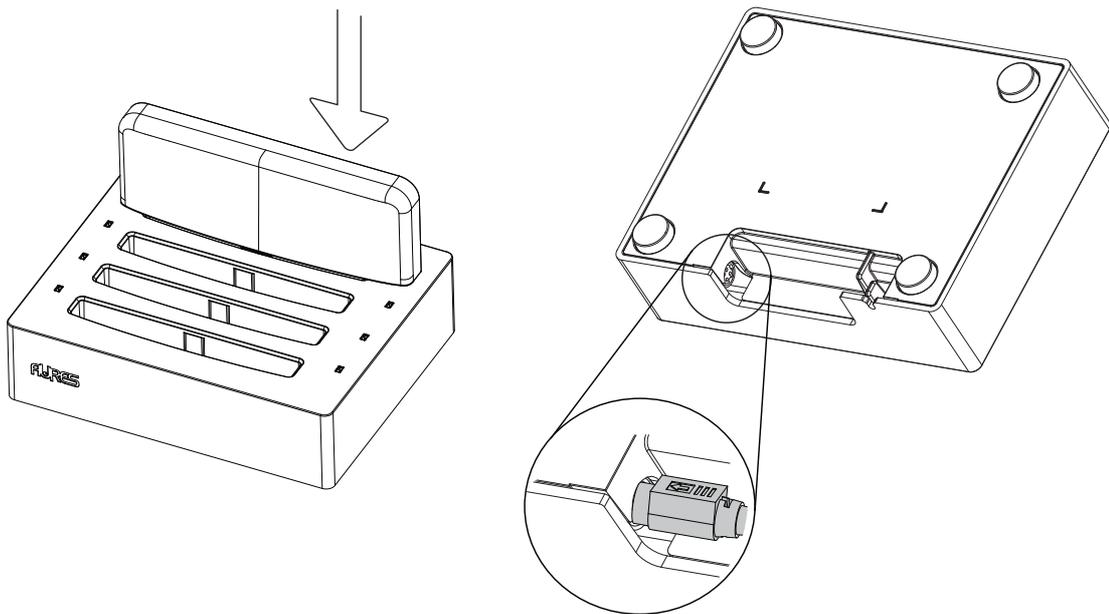
3. Push the latch up as picture shown to unlock the battery module.



4. Finally slide the battery module out of the unit.



3-3. Using the Charging Cradle

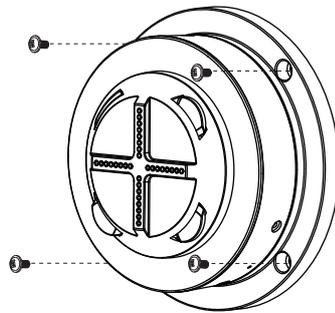


1. Insert the battery module into slot of the charging cradle.
2. Plug the AC adapter to the DC-in connector on the bottom of the charging cradle and plug the other end of the AC adapter to an electrical outlet.

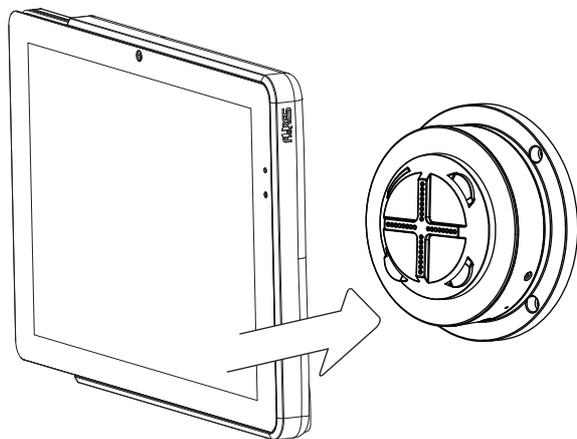
4. Peripherals Installation

4-1. Installing the Docking Station - Wall Mount

1. Secure the wall mount to the wall by fastening screws (x4).



2. The docking station is designed with a latching mechanism to secure the tablet in the dock station. After the wall mount is fixed, align the Swing Mobile Tablet with the dock and it will be automatically locked.

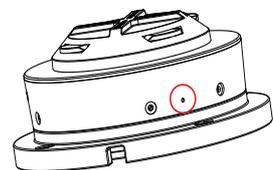


4-1-1. Releasing the Swing Mobile Tablet from docking station

The Swing Mobile Tablet should be unlocked from the docking station normally via the operating system. To manually unlock the docking station, follow the steps:

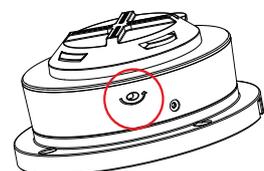
When the docking station is connected to electric power:

Use a paperclip and unfold it until a straight portion juts out. Insert the straight part into the hole as picture shown and apply pressure to unlock the switch.



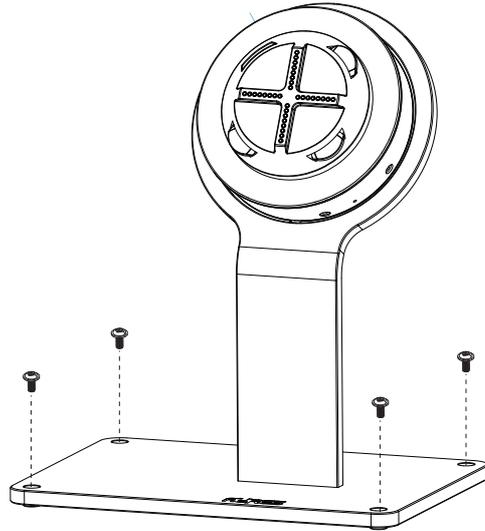
When the docking station is NOT connected to electric power:

Use a cross (+) shaped screwdriver and insert it into the hole as picture shown and then turn the screwdriver counter-clockwise to unlock the switch.

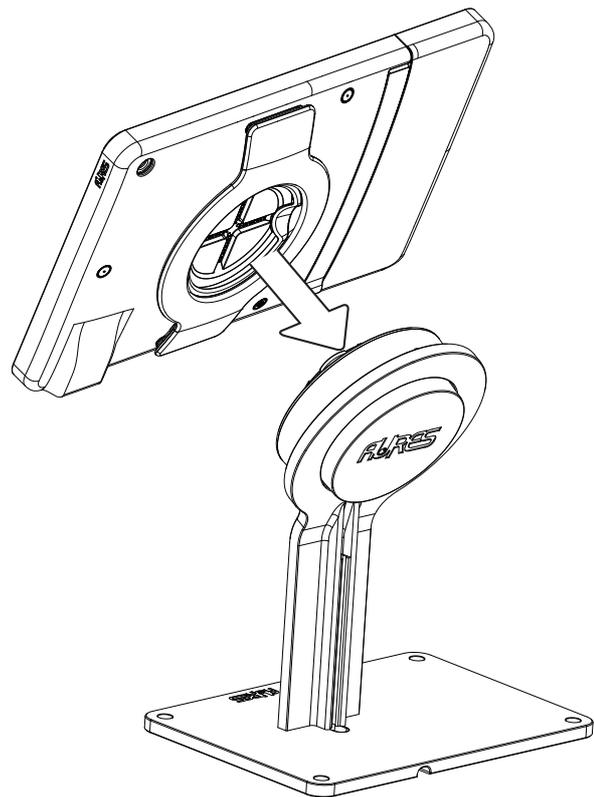


4-2. Installing the Docking Station - Pole Mount

1. Secure the pole mount on the table by fastening screws (x4).

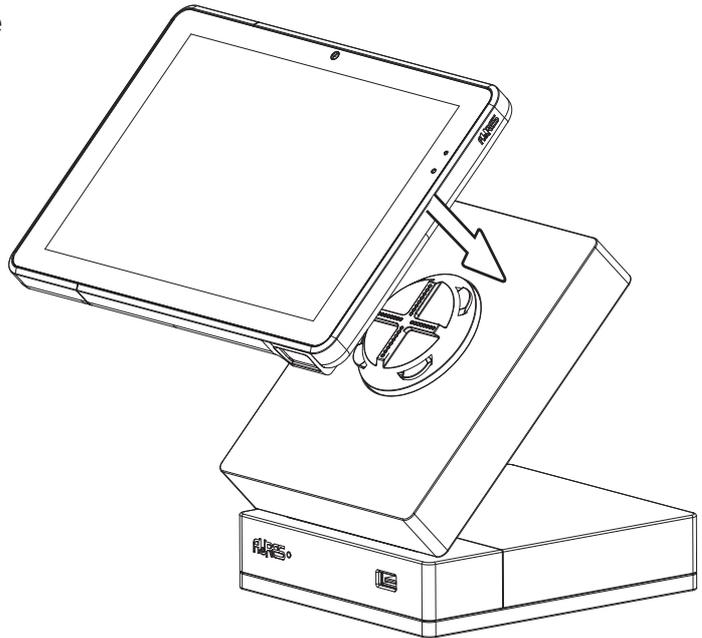


2. Directly align the Swing Mobile Tablet on the docking station.

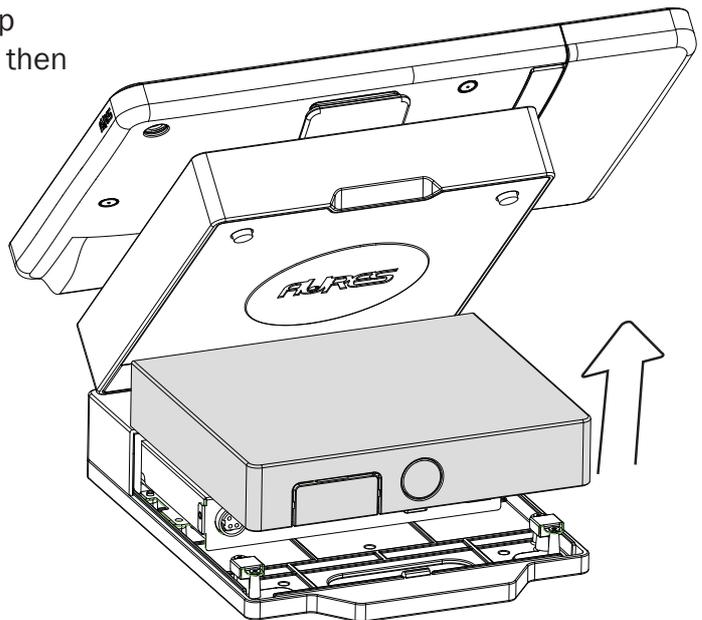


4-3. Installing the Docking Station - Hinge I/O Box

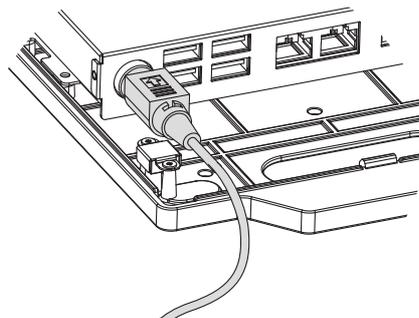
1. Directly align the Swing Mobile Tablet on the hinge I/O box.



2. Press the lock button of the top cover of the hinge I/O box and then lift the cover up.

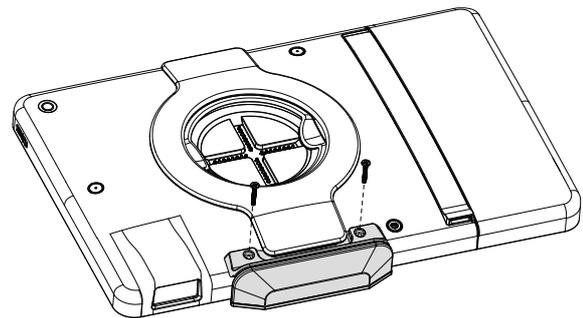
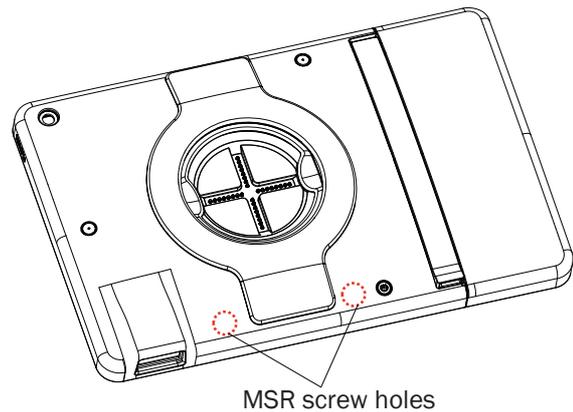


3. Plug the AC adapter to the DC-in connector on I/O panel and plug the other end of the AC adapter to an electrical outlet.

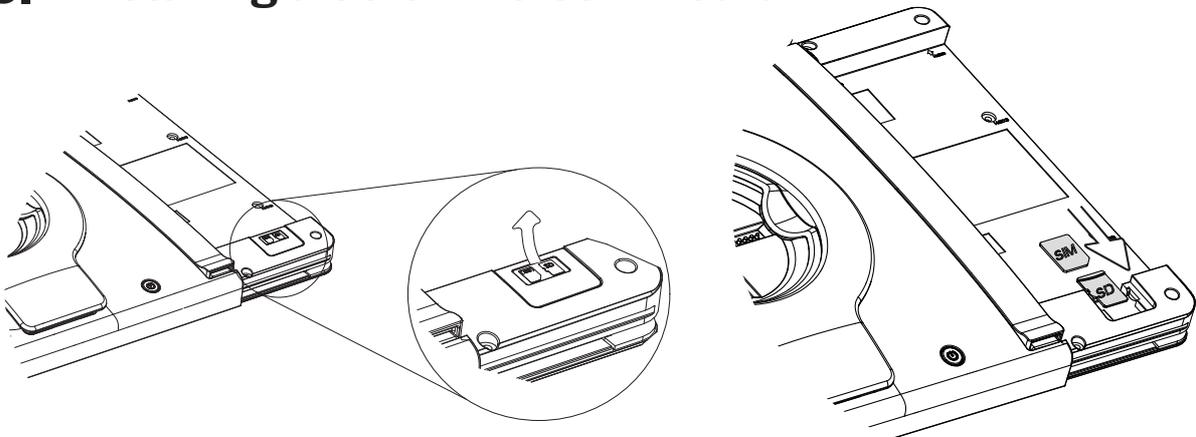


4-4. Installing the MSR module

1. Optional MSR module is available to expand tablet functionality. To install any module, first power down the system.
2. Turn to the back of the tablet and make two screw holes as picture shown. These screw holes are not reserved at the back cover of the tablet. A drilling tool is required in order to make the holes.
3. Attach the MSR module and fasten in place with the screws(x2) provided.



4-5. Installing a 3G or microSD™ Card



1. First power down the Swing Mobile Tablet.
 2. Place the tablet face down; be careful not to scratch the touchscreen.
 3. Follow steps described in Chapter 3-2 to remove the battery module.
 4. You will find the 3G and microSD™ card slot located at the bottom right corner of the tablet. Remove the dummy cover of the card slot.
 5. **Inserting the 3G SIM card:** With the SIM card's gold contacts facing down and its cut-off corner facing in, insert the SIM card all the way into the SIM card slot. Then Push the SIM card in until it clicks into place.
 6. **Inserting the microSD™ card:** Insert the microSD™ card into the storage card slot with its gold contacts facing down and push it until it clicks into place.
- **Removing the 3G SIM card / microSD™ card:** Push the card into eject it. Press and hold the card tab, and then slide the card out from the card slot.

5. Specification

5-1. Swing Mobile Tablet

Model Name	Swing Mobile Tablet
Mainboard	D31L
CPU support	BayTrail - T CR Z3735F 1.33 ~1.83 Ghz quad - core
System memory	2GB DDR3
Graphic memory	32GB /64GB eMMC (32GB default)
LCD Touch Panel	
LCD size	10.1" TFT LED panel
Brightness (cd/m ²)	350 nits
Maximal resolution	1900 x 1200
Touch screen type	P-CAP Multi-touch
Wireless Networking	
Wireless LAN	802.11 a/b/g/n, 2.4G/5GHz
Bluetooth	4.0+LE, Class 2
NFC/RFID	Option (USB, consigned parts)
3D/SD memory slot	Built-in combo slot (3G and SD memory card option)
Audio	
Speaker	1 x 1W speaker
Control / Indicator	
Power button	1
Scanner button	2
Sensor	G-sensor, ambient light sensor
Vibrator	Built-in vibrator motor
LED indicator	1 (Battery status indicator)
Home key logo	Built-in touch screen
Peripherals	
Front camera	2MP
Rear camera	5MP
MSR	Hidden connection point for USB MSR or others (option)
Hand belt	1
Scanner	USB 2D scanner (option)
Cradle	
USB port	mini-USB 2.0 x 1
Power adapter	10W / 5V
Battery & Power	
Battery	8000mAh Hot-swap, internal backup 1100mAh
Certificate	
EMC & Safety	FCC & CE Class B / LVD / SAR for tablet FCC & CE Class A/ LVD for docking station

Model Name	Swing Mobile Tablet
Mainboard	D31L
Environment	
Operating temperature	0°C ~ 35°C (32°F ~ 95°F)
Storage temperature	-10°C ~ 45°C (14°F ~ 114°F)
Humidity	20% ~ 80% RH non-condensing
Dimension (W x D x H)	262.3 x 170.3 x 17.3mm
Weight	1085g
OS supported	Windows IoT 10 Enterprise (32bit) / Android 4.4.4 (64-bit)

5-2. Docking Station

I. Charging Cradle	
DC-in	1 (lock type)
Power adapter	1 (65W, 19V/3.42A)
Certificate	FCC /CE Class A, LVD
II. Wall Mount / III. Pole Mount	
USB2.0	1
DC-in	1 (lock type)
Power adapter	65W (19V /3.42A)
Certificate	FCC /CE Class A, LVD
IV. Hinge I/O Box	
Serial COM	RJ45 COM x 2 (RS-232, with 5V/0V by jumper)
USB2.0	4 (I/O port) / 1 (side I/O)
Cash drawer	1 (19V)
LAN	1 (10/100Base-T)
DC-in	1 (lock type)
Power adapter	1 (65W, 19V/3.42A)
Connection mode with tablet	USB mode and USB roaming mode (By jumper switch)
Certificate	FCC / CE Class A, LVD

Appendix: Drivers Installation

To download the most recent drivers and utilities, and obtain advice regarding the installation of your equipment, please visit the AURES Technical Support Website:

www.ares-support.fr (French)

www.ares-support.fr/UK (English)

www.ares-support.fr/GE (German)