User Manual

Version 1.0 March 2017

SWING Mobile PC

Copyright

TRADEMARK

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 RLAN'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.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

⚠ 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

Version	Date	Description
1.0	November 2017	Initial release

Table of Contents

1 Introduction

1-1 System Overview

1-1-1 Front View
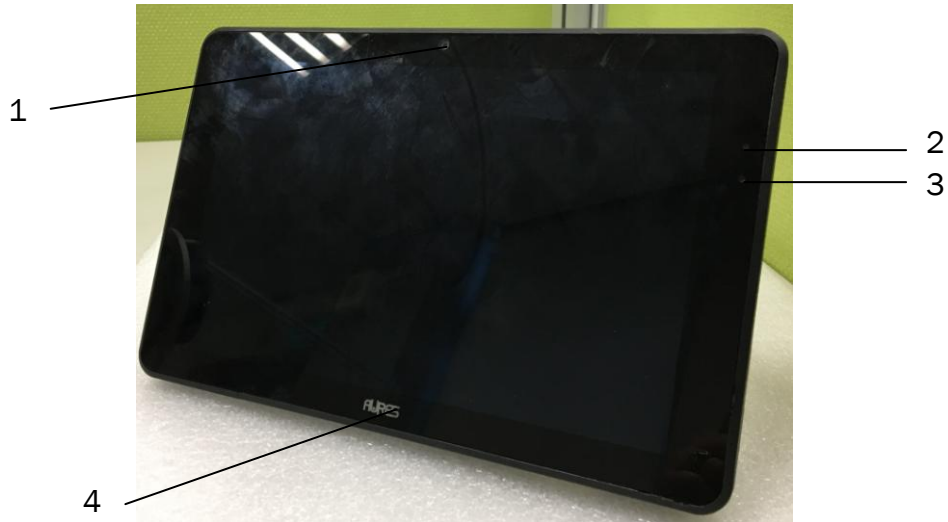
No.	Description
1	Front Camera
2	Power LED light indicator
3	Ambient light sensor
4	Home key with Aures logo

1-1-2　Rear View
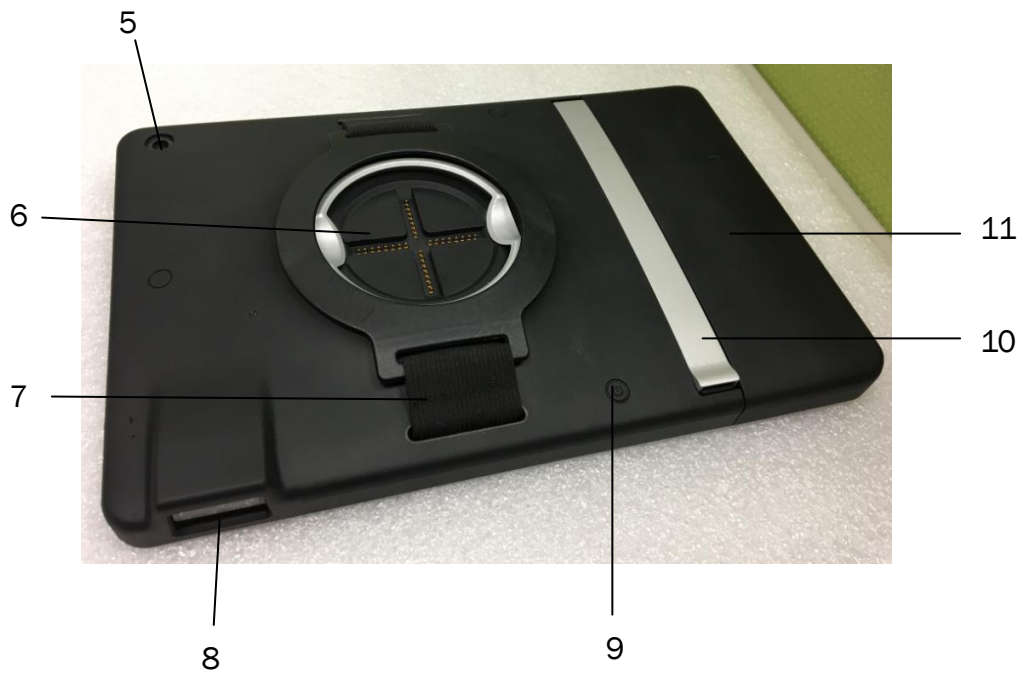
No.	Description
5	Rear Camera
6	POGO metal ring
7	Hand strap
8	Scanner
9	Power button
10	Arm Stand
11	Battery

1-2　Specification

1-2-1 Touch Panel

System	PB55
Motherboard	**D31L**
CPU	BayTrail - T CR Z3735F 1.33 ~1.83 Ghz quad - core
System memory	2GB DDR3
Flash memory	32GB /64GB eMMC (32GB default)
LCD Touch Panel	
LCD size	10.1" TFT LED Panel
Brightness	350nits
Resolution	1920 x 1200
Touch screen	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	One combo slot built-in (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) [1]
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 strap	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 Mark Class B / LVD / SAR for Tablet FCC & CE Class A/ LVD for Docking Station

System	PB55
Motherboard	D31L
Environment	
Operating Temperature	0°C ~ 35°C (32 °F ~ +95 °F)
Storage Temperature	-10°C ~ 45°C (14°F ~ 114°F)
Operating Humidity	20% - 80% RH non-condensing
Storage Humidity	20% - 80% RH non-condensing
Size	
Dimension(W x D x H)	262.3 x 170.3 x 17.3mm
Weight	1085 g
OS Support	Windows IoT 10 Enterprise (32bit) / Android 4.4.4 (64-bit)

*1. Tablet LED indicator: Green light-Full charged / Orange light- Charging / Red flash light- Low battery / Red light- Critical low battery.

1-2-2 Docking Station- Wall Mount

Docking Station	Wall Mount	
Lock /Unlock mechanism	1.	The POGO connector Lock and Unlock between tablet and docking station controlled by software
	2.	Unlock when cradle without power :By cross - shape screwdriver
	3.	Unlock when cradle with power : By tool access hardware switch
Charging I/O		
USB 2.0	1	
DC IN	1 (lock connector)	
Charging adapter	65W (DC19V /3.42A)	
Color	Black, White	
Certificate	FCC /CE Class A, LVD	

1-2-3 Docking Station- Pole Mount

Docking Station	Pole Mount	
Lock /Unlock mechanism	1.	The POGO connector Lock and Unlock between tablet and docking station controlled by software
	2.	Unlock when cradle without power :By cross - shape screwdriver
	3.	Unlock when cradle with power : By tool access hardware switch
Charging I/O		
USB 2.0	1	
DC IN	1 (lock connector)	
Charging adapter	65W (DC19V /3.42A)	
Color	Black, White	
Certificate	FCC /CE Class A, LVD	

1-2-4 Docking Station- Hinge Type I/O Box

Docking Station	Hinge Type I/O Box	
Lock /Unlock mechanism	1.	The POGO connector Lock and Unlock between tablet and docking station controlled by software
	2.	Unlock when cradle without power :By cross - shape screwdriver
	3.	Unlock when cradle with power : By tool access hardware switch
Charging I/O		
Serial	RS-232 x2 (RJ45 type, with 5V/0V by jumper)	
USB 2.0	4 (I/O port) / 1 (side I/O)	
Cash Drawer	1 (19V)	
LAN	1 (10/100Base–T)	
DC IN	1 (lock type)	
Charging adapter	1 (65W, DC19V/3.42A)	
Connection mode with tablet	USB mode and USB roaming mode (By jumper switch)	
Color	Black, White	
Certificate	FCC /CE Class A, LVD	

1-2-5 Docking Station- Light version I/O Box

Docking Station	Light version I/O Box
Lock /Unlock mechanism	NA
Charging I/O	
Serial	RS-232 x2 (RJ45 type, with 5V/0V by jumper)
USB 2.0	4 (I/O port) / 1 (side I/O)
Cash Drawer	1 (19V)
LAN	1 (10/100Base–T)
DC IN	1 (lock type)
Charging adapter	1 (65W, DC19V/3.42A)
Connection mode with tablet	USB mode and USB roaming mode (By jumper switch)
Color	Black, White
Certificate	FCC /CE Class A, LVD

1-2-6 Docking Station- Charging Cradle

|	Charging Cradle
DC IN	1 (lock type)
Charging adapter	1 (65W, 19V/3.42A)
Color	Black
Certificate	FCC /CE Class A, LVD

2   Getting Started

2-1   Power On/Off the System

1. Push the power button to turn on the system and hold 4~5 seconds to turn off the system.

    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.

2-2 Replacing the Battery
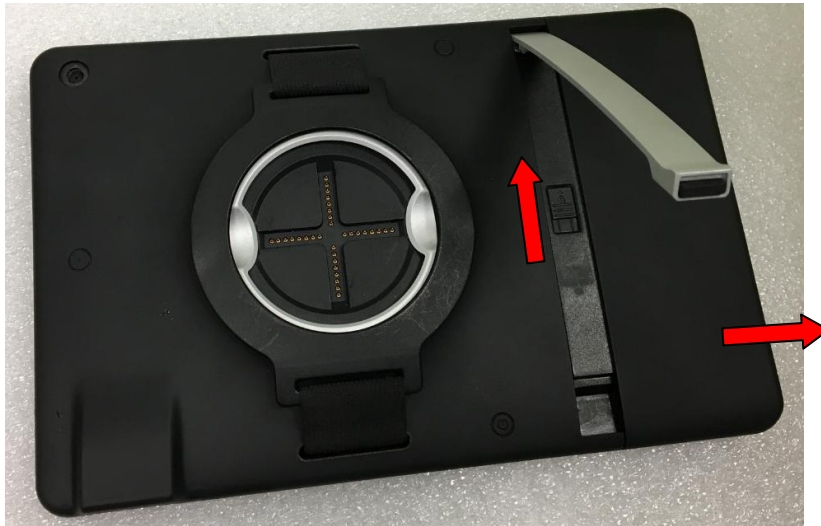
1. Place the touch panel face down. Making sure not to scratch the screen.
2. Pull the arm stand upwards.
3. Unlock the battery switch.
4. Finally slide the battery module out.

2-3 Using the Docking Station

2-3-1 Wall Mount

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

2. After the wall mount is fixed, align the touch panel on the wall mount.

Note:

- The POGO connector Lock and Unlock between tablet and docking station controlled by software.
- Unlock when cradle without power :By cross - shape screwdriver.

- Unlock when cradle with power : By tool access hardware switch.

2-3-2   Pole Mount

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

2. Directly align the touch panel on the pole mount.

Note:

● The POGO connector Lock and Unlock between tablet and docking station controlled by software.

● Unlock when cradle without power :By cross - shape screwdriver.

● Unlock when cradle with power : By tool access hardware switch.