CHAMELEON

CHAMELEON H

CHAMELEON

NOTICE

- This user manual provides a summary of the basic product specifications and features. Before using each product, please read this user manual thoroughly. Pay special attention and adhere to the safety information throughout this manual.

- Some instructions in this manual are based on the Android™ 10 operating platform. If you are using another operating system, some operations may differ.

- Do not touch the LCD panel with sharp or hard objects. Do not use abrasive cleaners, waxes or solvents for cleaning, use only a dry or damp, soft cloth. Use only battery, power supply and accessories specified by the manufacturer.

- Because of our continuous research and improvements, the contents in this catalogue may be changed without prior notice. The printed illustrations in this manual may differ from the actual product. The features and operations described in this guide are common to most, but not all, models.

- This manual contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by mechanical, electronical or any other means, in any form, or without prior written permission of the manufacturer. Chameleon Biometrics LDA will be exempt from responsibility for any loss or damage which may be caused by the use (or misuse) of this product.

General safety information :

Use the following safety guidelines to help protect your device from potential damage and to help to ensure your personal safety. Also adhere to and take note of any additional cautions and safety warnings throughout this manual.

WARNING: To reduce the risk of fire or electric shock, do not expose this device to extreme heat, rain or moisture. Make sure the power cord is UNPLUGGED from the wall outlet during lightning storms or when it will not be used for an extended period of time. Do not open the device or remove any internal parts. Contact qualified personnel if repairs are necessary. Follow all operating precautions when using this product.

Operating Environment

Remember to follow any special regulations enforced in any area, and always switch your device off whenever it is forbidden to use it,or when it may cause interference or danger. Do not use your device in restricted areas. Switch your device off in any facility where posted notices require you to do so. When connecting the device or any accessory to another device, read the user's guide for detailed safety instructions. Do not connect incompatible products. Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your device. Consult the manufacturer to discuss alternatives.

Cautions

Any changes or modifications to your Chameleon H device not expressly approved in this document could void your warranty for this product and void your authority to operate this equipment. Although your Chameleon device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it. Keep your device away from liquids of any kind. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

Other Important Safety Information

Only qualified personnel should service this device. Faulty service may be dangerous and may invalidate any warranty applicable to the device. When transporting the device in a moving vehicle ensure that any electronic devices or related equipment used in your vehicle are securely mounted. Switch your device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Keep the device and all its parts out of reach of small children.

Table of contents

Introduction

The versatile Chameleon H tablet can function as a mobile biometric tablet or compact desktop workstation. The Chameleon H can be used for voter enrollment and verification, border and access control, humanitarian aid, banking, retail, etc.

Key features

- Switch between a Desktop Workstation vs Mobile Tablet
- 8+ Hours of Battery Life, LED Battery status indicators, Removable Long-Life Battery.
- Mobile 4G, Wi-Fi, Bluetooth & GPS Connectivity
- Contactless NFC Smart-Card Scanner

- 13MP AF Rear Camera with LED Flash
- Android 10 OS
- Memory: Up to 6GB RAM & 128GB ROM
- Dual SIM, Dual SAM, Dual USB Ports
- 8" Scratch Resistant Capacitive Touch Screen

Note that some of the features mentioned above are dependent on specific model type configurations and do not necessarily apply to all Chameleon H models.

Purpose of this user manual

This manual has been designed to introduce the user to the device features and components to be used as a step-by-step guide to achieve optimal device performance. The manual is intended to inform the user about proper operating procedures and provide relevant technical information related to the device.

Warranty

The standard warranty period for the hardware and parts, as well as workmanship is 12 (twelve) months.
Please visit https://chameleonbiometrics.com/support/ or contact your local Chameleon agent for extended warranty options and to view our full, comprehensive warranty statement.

Packaging

The Chameleon H device is neatly and securely packaged inside a custom EVA hard shell case.
The custom EVA hard shell case is packaged inside a branded carton box, clearly marked with:

- Supplier details and regulatory information
- Unique barcode tracking & identification label
- Each carton box will also be sealed with a security label

Product details

Physical Characteristics:
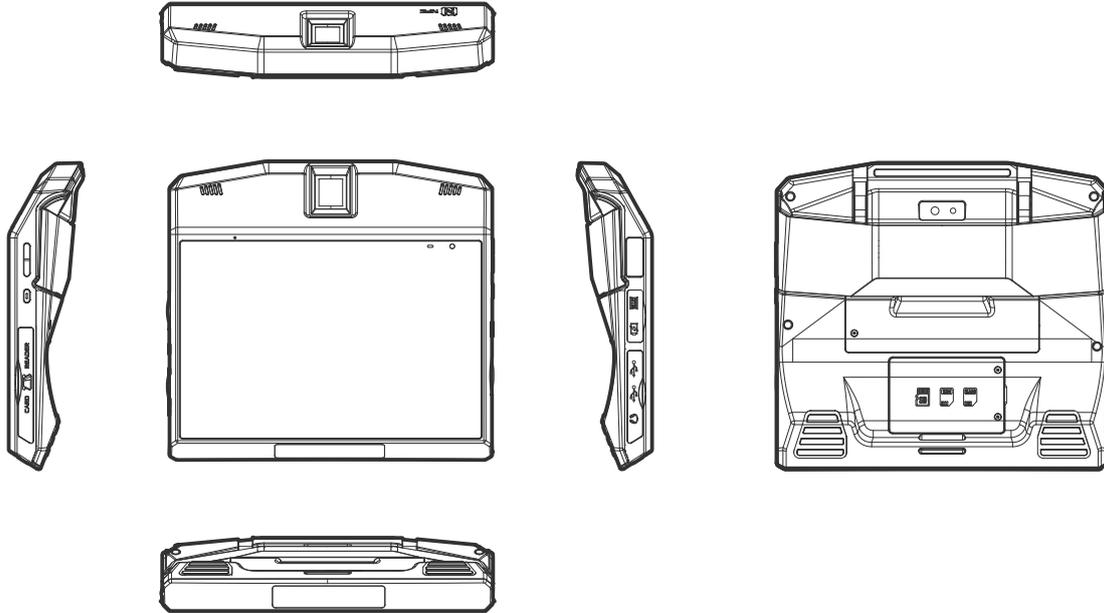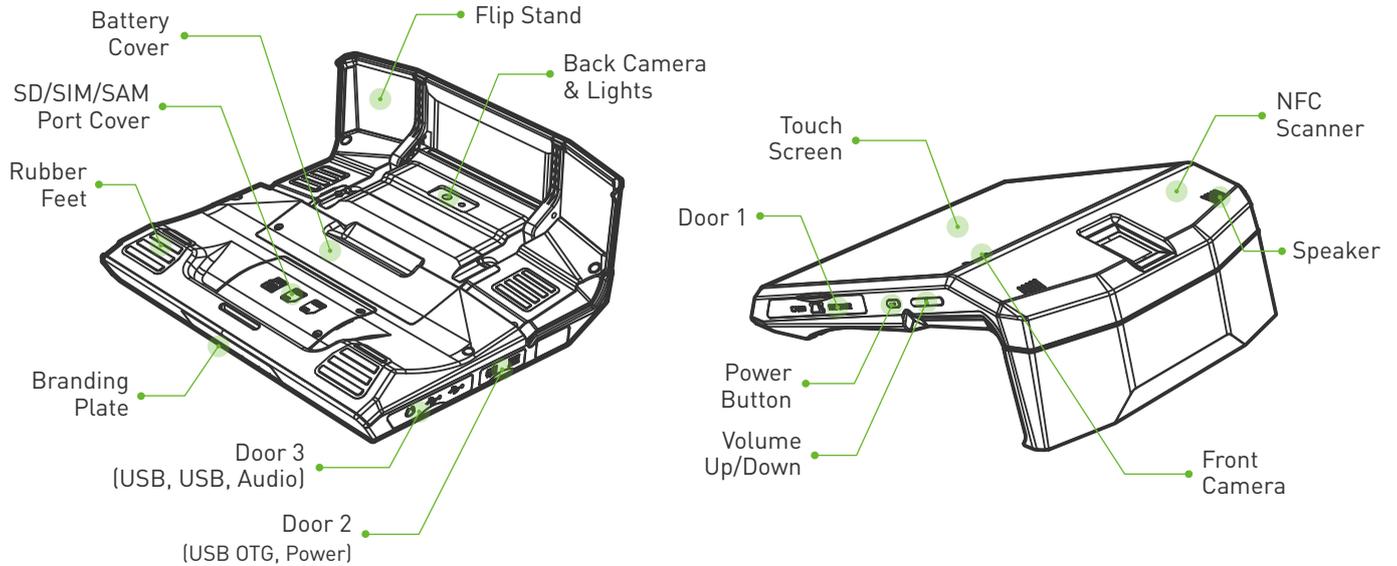

■ *Dimensions: 224mm x 211mm x 49mm (Mobile configuration)*   ■ *Weight: 0.84KG*

Product details

Physical Characteristics:

Battery Cover

Flip Stand

SD/SIM/SAM Port Cover

Back Camera & Lights

Rubber Feet

Touch Screen

NFC Scanner

Door 1

Speaker

Branding Plate

Power Button

Volume Up/Down

Front Camera

Door 3 (USB, USB, Audio)

Door 2 (USB OTG, Power)

Labelling and Security

The tracking and security label.

Example

This label cannot be removed without visible and lasting damage.
A residue will remain on the tablet if the label is tampered with or removed.

Please be advised that the warranty on this product will expire if this label is removed by unauthorized personnel during the warranty period!

Company Name:
Chameleon

Product: Name of the product
Model: Model Number
FCC: FCC Number
IMEI 1: IMEI Number for SIM 1
IMEI 2: IMEI Number for SIM 2
S/N: Unique serial number

Chameleon Logo

QR Code

Regulatory Information

■ Refer to Page 36 &37 for Regulatory information

Battery install/remove

WARNING: Using an incompatible battery increases the risk of fire or explosion. Replace the battery only with a compatible battery purchased from the manufacturer. The battery is designed to work with your Chameleon H device. Do not use a battery from any other device.
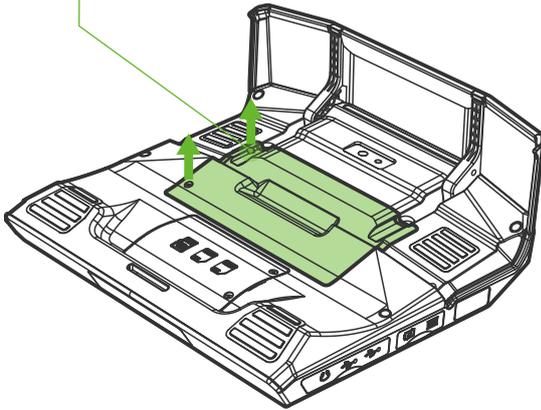
WARNING: Before removing or replacing the battery, turn off the device, disconnect the AC adapter from the electrical outlet and remove any other external cables from the device.
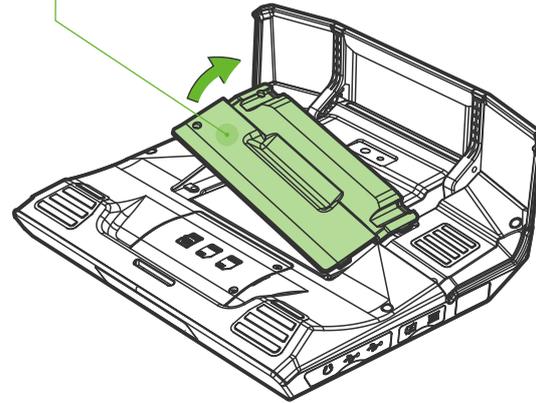
WARNING: Not for use in hazardous locations.

Step 1: Undo battery cover screws

Step 2: Lift and remove battery cover
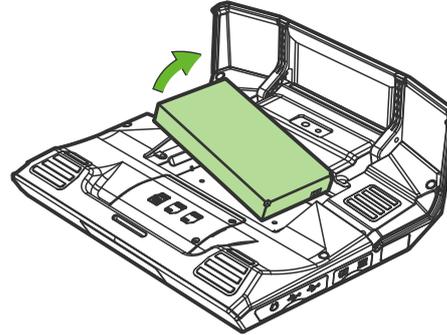
■ *Back of tablet*

■ *Battery cover being removed.*

Battery install/remove

Remove battery:
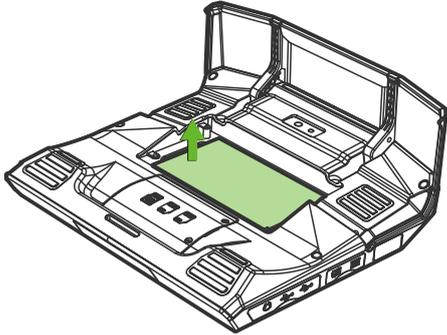
■ *Lift left side of the battery.*

■ *Lift battery and slide out to remove.*

Install battery:
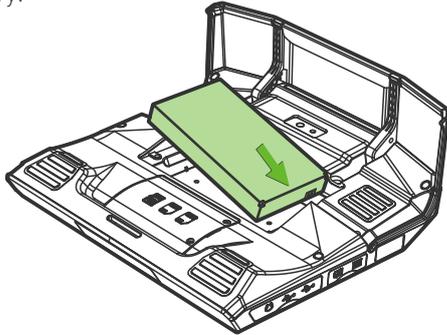
■ *Slide battery in contact side first.*
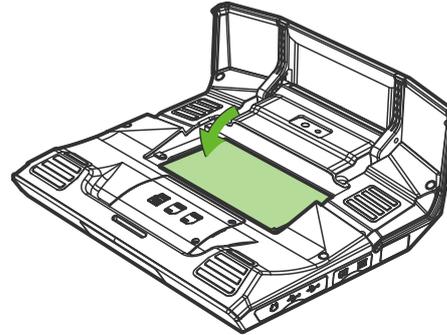
■ *Press left side of battery down untill correctly seated*

Battery install/remove

Insert and lock the battery cover:

Step 3: Screw in battery cover screws

Step 2: Press left side of battery cover downwards untill seated.

Step 1: Insert battery cover at angle to first attach cover clips with alignment slots.

■ *Battery cover and back of tablet.*

■ *Back of tablet.*

Battery information

The Chameleon H device is powered by a rechargeable, standard Li-Ion Polymer battery. A wall charger (AC power adaptor) is included with the device, for charging the battery. The battery comes partially charged. You must fully charge the battery before using your device for the first time. After the first charge, you can use the device while charging. Please take note that recharging with the tablet turned off significantly reduces charge time:
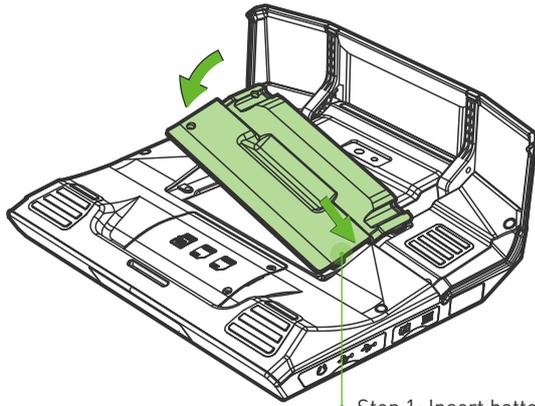
- **Battery size:** 108.5mm x 60.2mm x 15.2mm
- **Battery weight:** 0.13kg
- **Charging time:** Approx. 3 hours

- **Operation time:** Approx. 8+ hours continuous operation on a single charge
- **Power rating:** 3.7V 10000mAh

Battery brand

Unique barcode

Power rating:

3.7V 10000mAh/37.0Wh
Nominal voltage: 3.7V
Charging limit voltage: 4.2V
Implementation standard:
GB/T18287-2013
Production Date: MM/YY

Regulatory Information

CHAMELEON
RECHARGABLE LI-ION POLYMER BATTERY

S/N: 0000000000000

MODEL: CHH-SBV1-4812
POWER RATING:
3.7V 10000mAh/ 37.0Wh
Nominal Voltage: 3.7V
Charging Voltage Limit: 4.2V
Implementation Standard:
GB/T18287 - 2013
Production Date: MM/YY

⚠ CAUTION!
BATTERY SAFETY INFORMATION

Read the user instructions in the operating manual before use. Danger of explosion if battery incorrectly installed. Only replace with battery approved for this product. Do not attempt to disassemble, open or service battery. Only use the battery charger provided for this product. Do not expose to high tempuratures (above 140°F/60°C). Dispose of battery as per manufacturers instructions.

Made in China

Battery model number

Caution! Safety battery information

Read the user manual operating instructions before use. Danger of explosion if battery is incorrectly replaced. Replace only with battery designed for this product. Do not attempt to disassemble, open or service battery. Only use the battery charger designed for this product. Do not expose to high temperatures (above 140°F/60°C). Dispose of used battery as per manufacturer's instructions.

Note: The battery is a consumable product.

Battery information

Conditioning a new battery

Before you use a battery pack for the first time, there is a conditioning process that you should follow:

1. Connect the AC adapter and fully charge the battery.
2. Turn on the device and complete setting up the operating system.
3. Disconnect the AC adapter.
4. Operate the device using battery power.
5. Reconnect the AC adapter and fully charge the battery again.
6. Follow these steps again until the battery has been charged and discharged three times.

Use this conditioning process for all new batteries, or if a battery hasn't been used for a long time

The battery conditioning process ensures your battery accepts the maximum possible charge. Failure to follow this procedure will prevent you from obtaining the maximum battery charge, and will also shorten the effective lifespan of the battery. In addition, the useful lifespan of the battery is adversely affected by the following usage patterns:

- Using the device on constant AC power.
- Not discharging and recharging the battery to its extremes, as described above.
- Frequent use; the more you use the battery, the faster it will reach the end of its effective life.
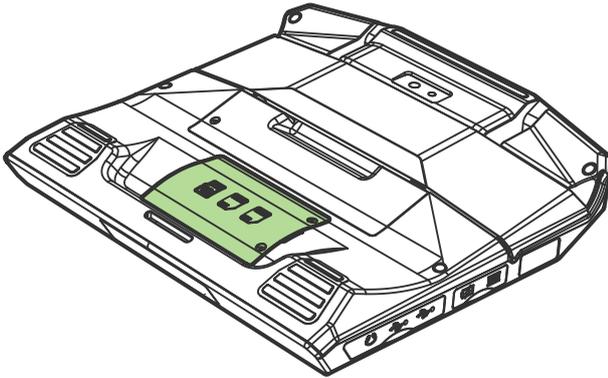
General battery safety information:

- Only use the specified battery and power supply provided.
- Use of any other batteries or power supplies may result in fire, or damage to the device, battery, or operator.
- If the tablet is going to be stored for more than three months, remove the battery from the device to avoid battery damage or self-discharge.
- Do not disassemble the battery pack. There are no user-serviceable parts inside. Doing so may present risk of exposure to harmful chemicals, explosion or fire.
- Contact your local waste disposal service provider regarding the disposal or recycling of used batteries. Please adhere to local laws and regulations when it comes to recycling the battery.
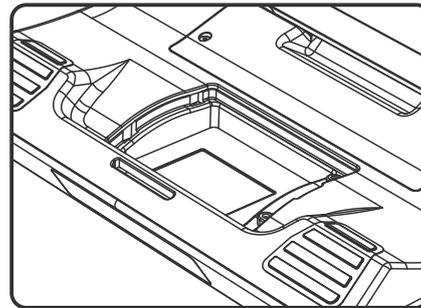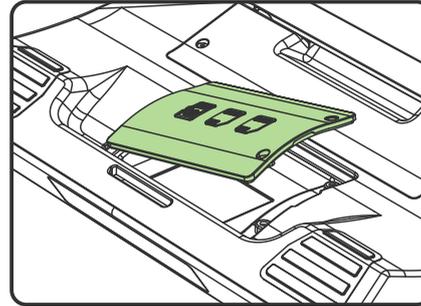
SD/ SIM/ SAM card installation

The SD/SIM/SAM card panel can only be accessed with the port panel cover removed. Remove the panel cover by unscrewing the 2 x holding screws and lifting the cover.
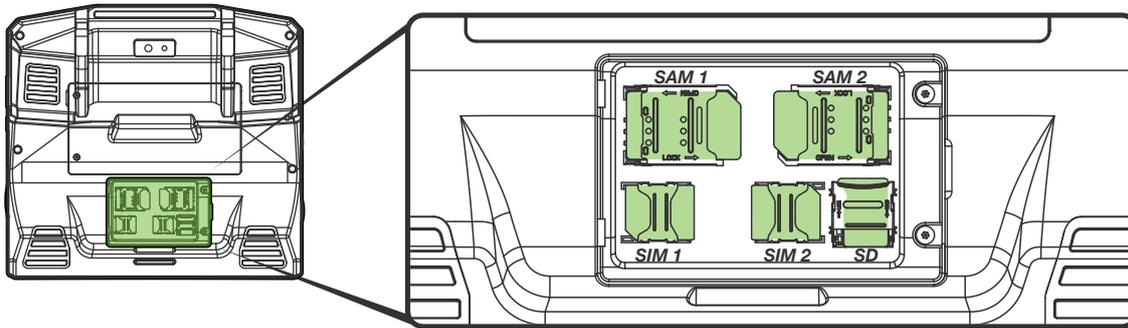
- *Step 2: Remove screws and lift card cover.*

- *Step 1: Locate SD/SIM/SAM card panel cover position as indicated in the image below.*

SD/ SIM/ SAM card installation

- Insert micro SD memory card into slot in correct orientation as shown above. The device can accommodate a micro SD card with memory of up to 128GB. A memory card can be installed at a later stage, it does not need to be purchased with the device.
- Insert the 2 x micro SIM (Subscriber Identity Module) cards into slots in correct orientation as shown above.
- Insert the 2 x SAM (Secure Access Module) cards into slots in correct orientation as shown above.
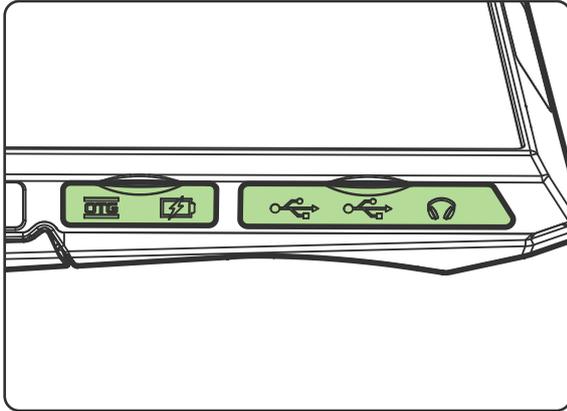
Doors / Dust Covers

Depending on your Chameleon H tablet model, the device can have up to three unique clip-in (or screw-in) doors, that act as dust covers to protect open ports and slots from debris. These covers are located on the sides of each tablet. The two doors on the left side of the device covers the external connection ports.

Door 1

Door 2
(USB OTG, Power)

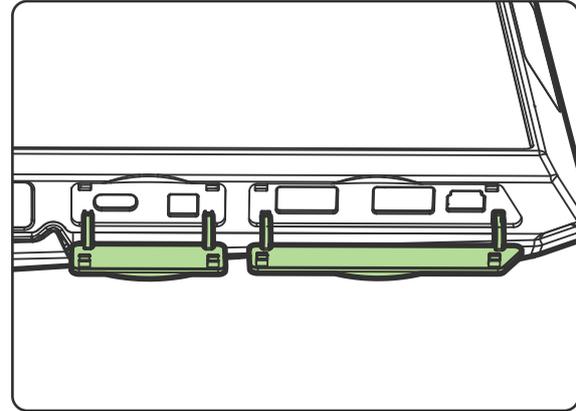Door 3 (Can be screw closed door, depending on model)
(USB, USB, Audio)
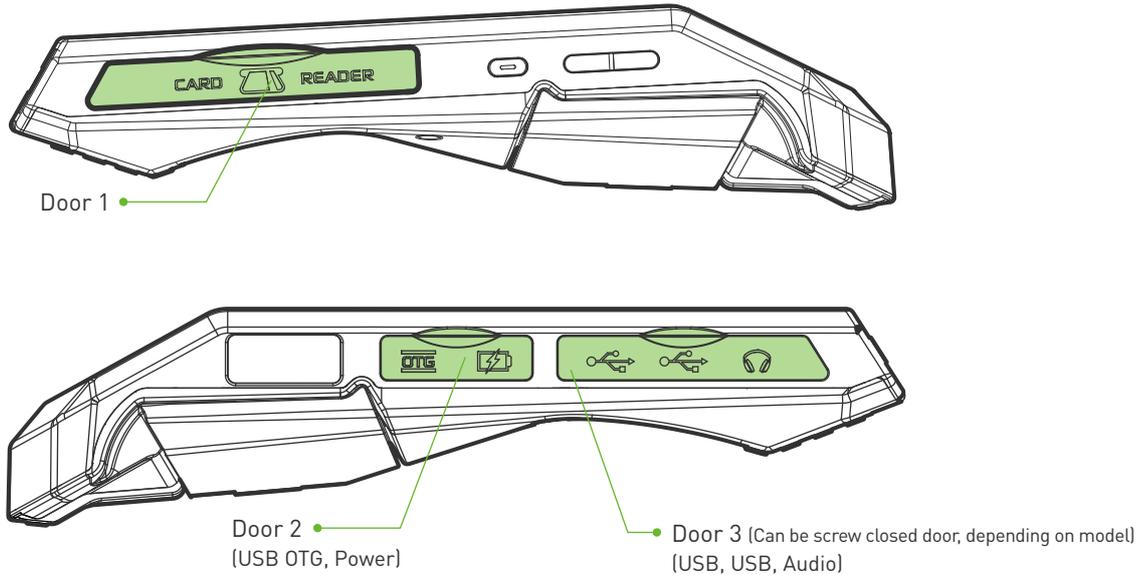
Doors / Dust Covers

Opening and closing the doors:

■ *To open the doors pull the tab on the top edge out and downwards.*

■ *To close the doors move them up and press the top of the door untill the door is seated properly*

USB OTG Port

USB On-The-Go (USB OTG) is a specification that allows USB devices, such as tablets or, to act as a host, allowing other USB devices, such as USB flash drives, digital cameras, mice or keyboards, to be attached to them. Use of USB (Type C) OTG allows those devices to switch back and forth between the roles of host and device. A mobile tablet may read from removable media as the host device, but present itself as a USB Mass Storage Device when connected to a host computer.
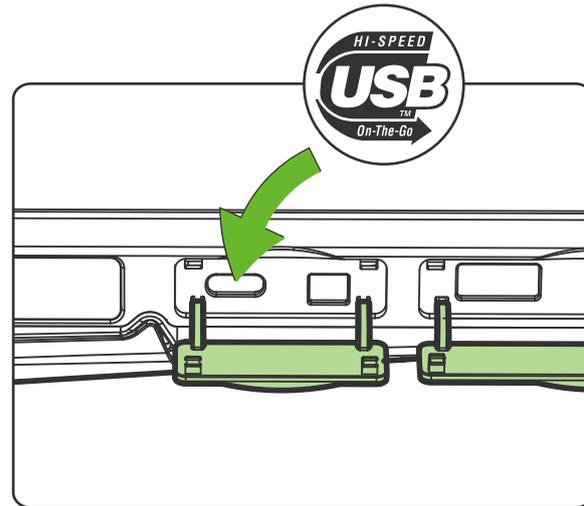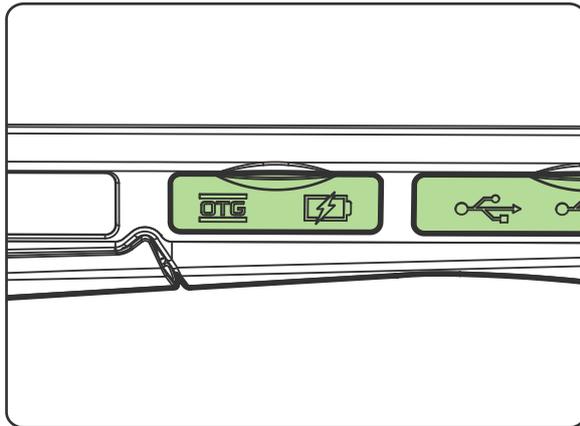
USB OTG Port

How to use USB Type C OTG function?

1. Go to settings/connected devices.
2. Enable TYPEC OTG.
3. Please remember to disable TYPE C OTG manually after using the OTG operation. The USB hub can't work while OTG is active/enabled.

USB OTG Port

How to copy the file between the device and the laptop?

Go to **settings/connected devices.**
Enable **USB DEVICE MODE** (once this option is enable, the USB hub can't work).
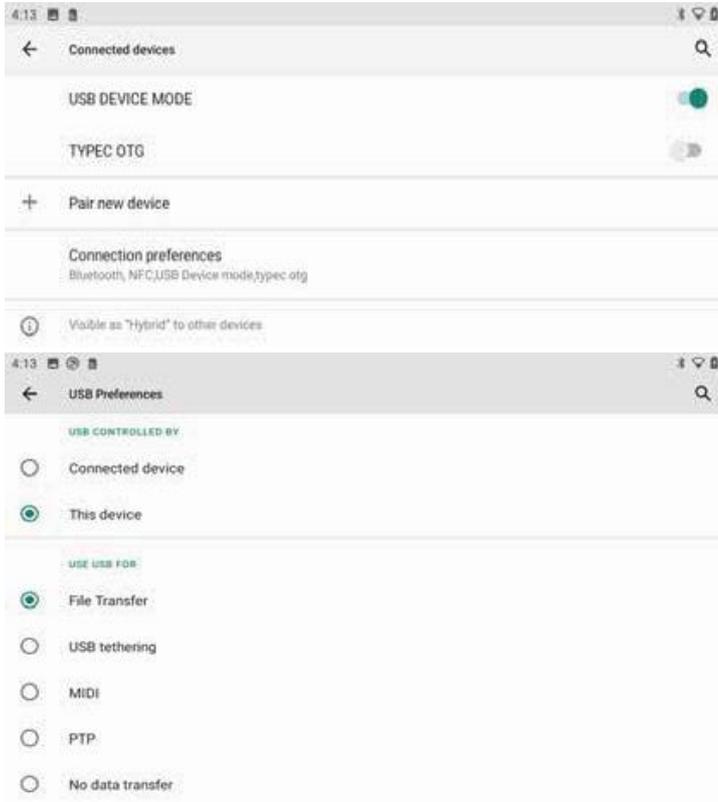Connect the device to the laptop by a Type C cable.
Choose **File Transfer.**
Copy the file between the device and the laptop.
Disconnect the device from the laptop.
Device will disable USB DEVICE MODE **automatically.**

USB OTG Port

USB / USB / AUDIO Ports

When looking at your tablet screen in the upright position, the bottom left-side door (Door 3) covers a port panel. This port panel contains 1 x Audio and 2 x USB2.0 ports.

DC CHARGE Port

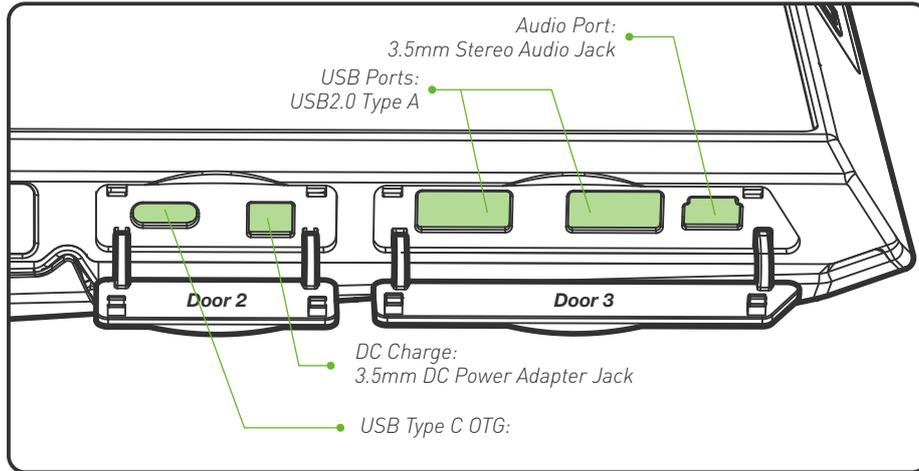When looking at your tablet screen in the upright position, the top left-side door (Door 2) covers a port panel. This port panel contains 1 x USB Type C OTG port and 1 x DC Charge port.

Audio Port:
3.5mm Stereo Audio Jack

USB Ports:
USB2.0 Type A

Door 2

Door 3

DC Charge:
3.5mm DC Power Adapter Jack

USB Type C OTG:

■ *Tablet side view (Note door 2 & 3 in open position)*

Contactless NFC Smart-Card Scanner

When looking at your tablet screen in the upright position, the contactless card reader is located on the top left side above the screen.
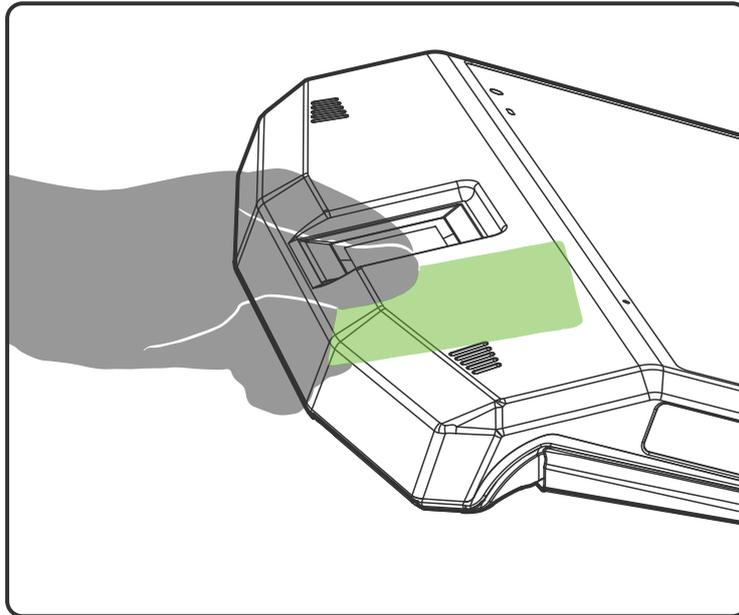
■ *Simply hover your smartcard within 20mm over this NFC marked section for instant scanning.*

Touch screen

The Chameleon H display panel with high brightness and high contrast is visible under strong sunlight or in outdoor environments.

Avoid direct sunlight when possible to avoid overheating. Your tablet screen is tough and scratch resistant, but direct impact of sharp objects and abrasive materials could cause damage and leave marks. Always handle with care.
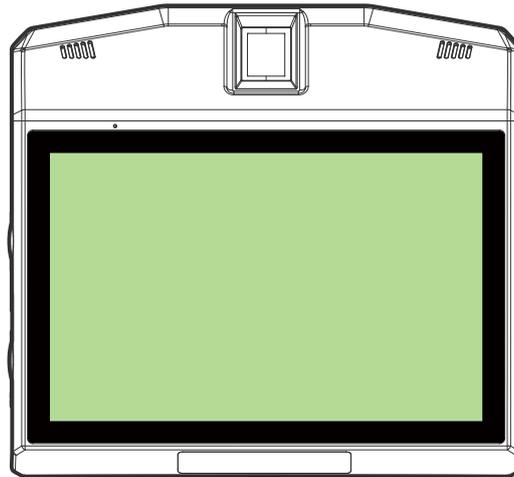

■ *Keep your tablet display clean by using a soft, lint-free cloth. Use a damp microfiber cloth to take care of grime and stubborn stains. Once all the stains are removed, wipe the screen again with a dry microfiber cloth. Always turn your device off before cleaning it. Never spray or drip cleaning liquid directly on screen. Never use harsh chemicals. Never use abrasive cloths or paper towels. Use a cotton swab to pick up dust and grime from the rim of your tablet screen.*

Touch screen

Your tablet has a 8" capacitive multi-touch display. You can touch the screen to operate the tablet.

Basic Touch Screen Gestures

Gesture	Gesture Action	Function
Single tap -		■ Select items on the screen, including options, entries, images, and icons ■ Touch buttons on the screen ■ Input text using the on-screen keyboard
Double tap -		■ Open or start application
Touch and hold -		■ Display detailed information about an item ■ Open the context menu of an item to perform further actions
Drag and drop -		■ Move item such as images and icons on the screen
Swipe and slide -		■ Scroll through the Start screen, web pages, lists, entries, photos, contacts, etc. ■ Close an application. (Swipe the application to the bottom of the display)

Gesture	Gesture Action	Function
Zoom in -		■ *Enlarge the view of an image or web page*
Zoom out -		■ *Reduce the view of an image or web page*
Rotate -		■ *Rotate an object by 90 degree*

Right-click

To perform a right-click on your tablet, Touch and Hold your finger for 2 seconds on any section of the screen or an icon and then release your finger.

2 seconds
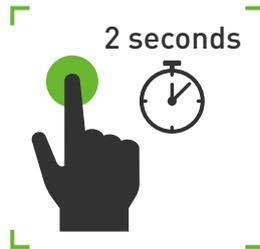
Front Camera

The optional front auto-focus is located on the top right side of the touch screen. The camera can be activated via the software on the tablet. Be sure to hold the tablet stable and wait for the camera to properly focus before taking a photo. Always keep the lens area clean and avoid scratches.

Front Camera
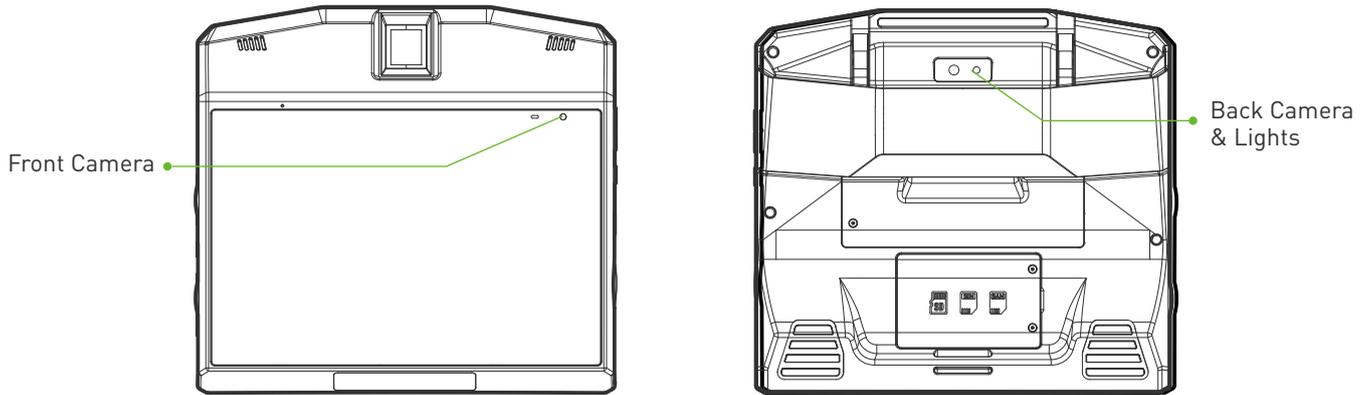
Back Camera & Lights

Back Camera & LED Flash Light

The 13MP (8MP optional) back auto-focus camera and LED flash light system is located in the center above the battery cover on the backside of the device.
Both the camera and light can be activated via the software on the tablet. Be sure to hold the tablet stable and wait for the camera to properly focus before taking a photo. Always keep the lens area clean and avoid scratches.

Wrist Straps

An optional wrist strap (lanyard) can be attached to your device as shown below. The strap has an easy release clip for quick detachment when needed.
The wrist strap helps prevent the Chameleon H from dropping when used in mobile tablet mode.
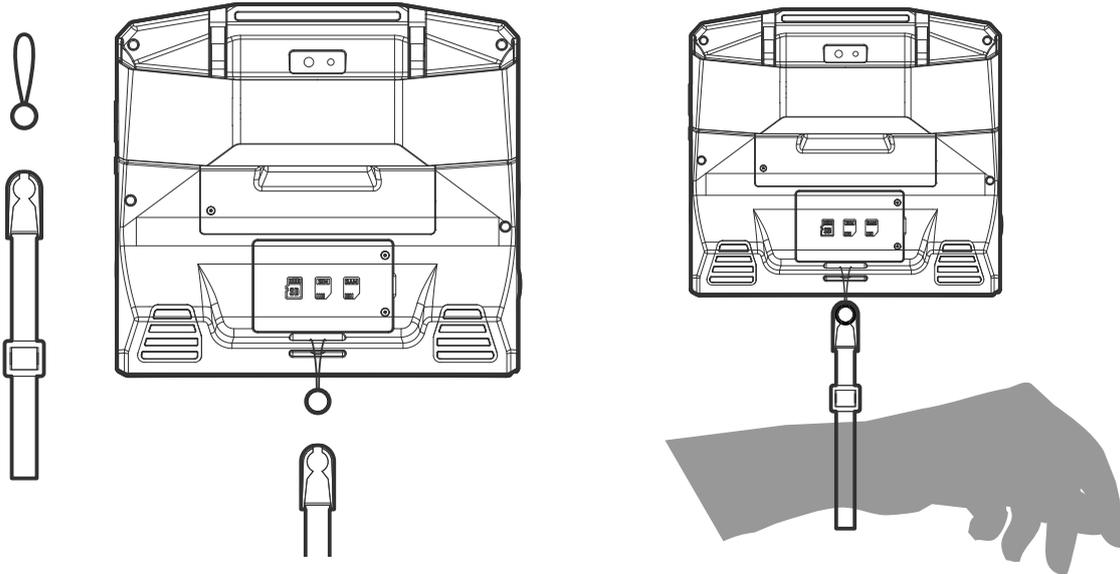
- *The wrist strap will help prevent accidental dropping of the device.*

- *Simply slide the front section of your hand into a hand strap and adjust tightness.*

Power adaptor

The detachable mains power supply adaptor will connect to the DC Charge port on the Chameleon H device, and can either be used to supply power directly to the device or charge the device battery. The battery charging starts automatically.
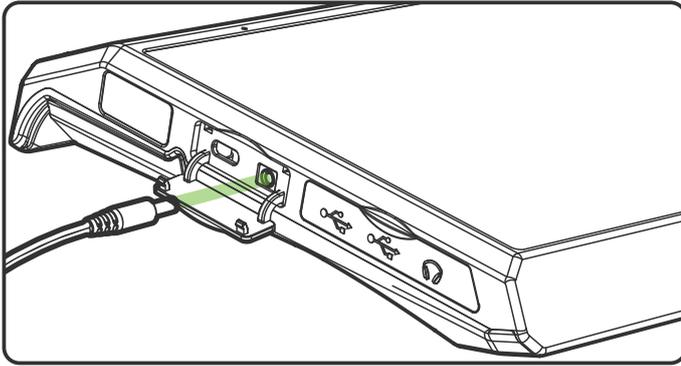

■ Connect power adapter to 3.5mm DC charging port as shown.

CAUTION:

- When using the Chameleon H device for the first time, do not connect any peripheral device except the supplied battery and AC adapter.
- When handling the power (AC) adapter problems such as sudden voltage drops may arise during periods of thunder and lightning. Try to avoid using the power adaptor during these periods.
- When the DC plug is not connected to the unit, disconnect the AC cord from your electrical outlet. Power is consumed simply by having the AC adapter plugged into an electric outlet.
- Always hold the plug head when you unplug the connector, never pull out the cord.
- The AC adapter is designed for use with your tablet only. Connecting the AC adapter to another device can damage the adapter.

Power adaptor

The power(AC) adapter operates on any voltage in the range of 100~240VAC at 50/60Hz. The AC adapter serves as a converter from AC (Alternating Current) to DC (Direct Current) power because the device runs on DC power input, but an electrical outlet usually provides AC power.

EU Version   USA Version

AC/DC ADAPTER
MODEL : AD018A120150GV
INPUT : 100-240V ~50/60Hz 0.5A MAX
OUTPUT : 12V ⎓ 1.5A ⊖-⊙-⊕
MFR.NAME:IDEA POWER ELECTRONIC
TECHNOLOGY (DONGGUAN)CO.,LTD.
MADE IN CHINA

AC/DC ADAPTER
MODEL : AD018A120150UV
INPUT : 100-240V ~50/60Hz
0.5A MAX ⊖-⊙-⊕
OUTPUT : 12.0V ⎓1.5A
LISTED
I.T.E Power Supply
E503113
IDEA POWER ELECTRONIC TECHNOLOGY
(DONGGUAN)CO.,LTD.
MADE IN CHINA
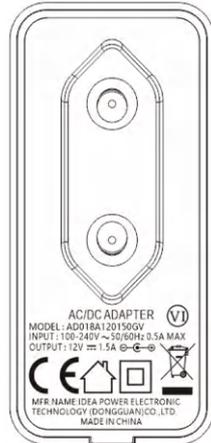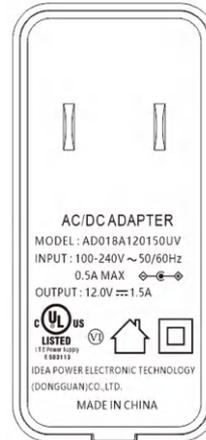
■ Note: Do not charge the battery when temperatures fall below 0°C or is above 45°C (below 32°F or above 113°F), as it may cause safety issues. Recharging the battery must only be carried out in a non-hazardous area using the supplied AC adapter.
This power adapter is for indoor use only!

Basic operation

Note that most basic operation instructions are based on the Android™ 10 operating system.
Should you use an alternative operating system, please contact the appropriate supplier for operating instructions.
 Modifying the device's operating system or installing software from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Chameleon H license agreement and will void your warranty.

■ Turn device ON

- Press and hold down the power ON/OFF button located on the right side of the device for at least 3 seconds and release to power-on the unit.
- The Chameleon H logo will appear on the display.
- The power ON/OFF button will illuminate blue when device is active.
- Please be patient and give the device a few minutes to start up completely before activating any software programs.

LED indicator
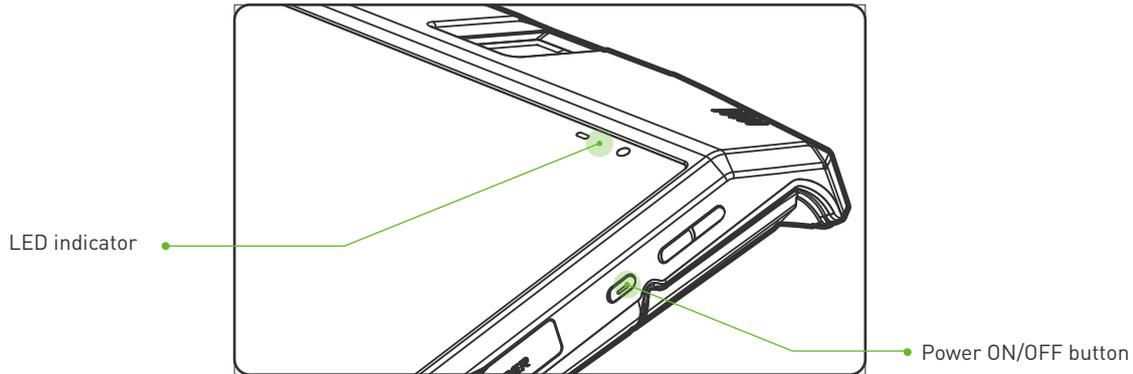
Power ON/OFF button

■ Turn device OFF

Power Off

■ *Step 1: Press and hold down the power* ⏻ *ON/OFF button located on the right side of the device until the "Device Options" dialog box appears on the screen.*

■ *Step 2: Tap "Power Off" in the dialog window. The device will shut down.*

LED charge/power indicator

The LED power and charging indicator is located on the right side above the screen. See details of this battery level status below:

■ 0-15% Battery Power = RED pulsing every 3 seconds (critically low status)
  When device is being charged:

■ Under 90% Charged: RED (no flashing)

■ 90-100% Battery Power = GREEN (no flashing)

A RED pulsing LED every 3 seconds may also indicate an unread message or missed call.

Note: A red and green pulsing indicator LED will indicate a charging problem or battery error.
Note: All the above setting can be customized.

Adjusting the Volume

Volume + and Volume – buttons are located on the right side of the device as shown in image below:

Volume button
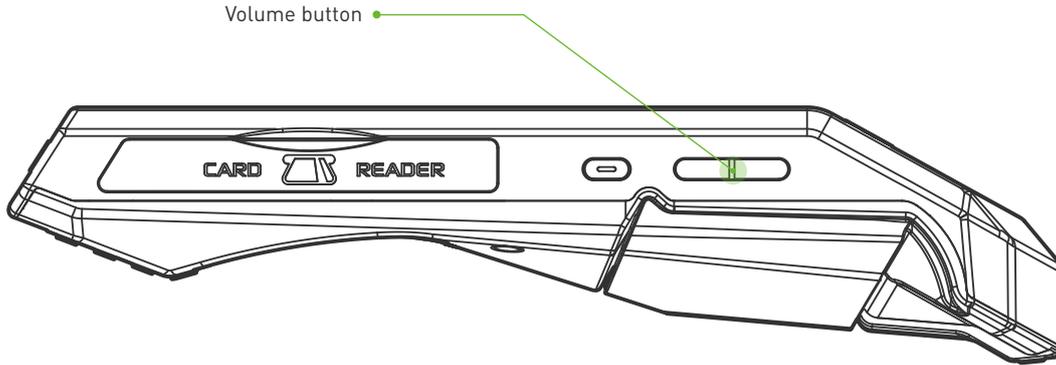
Cleaning device

Turn off your device. Disconnect any attached devices, headphones, speakers, and keyboard dock from the tablet and from their electrical outlets.

Use a soft microfiber cloth moistened with water or a non-alkaline detergent to wipe the exterior of the tablet. Do not allow water from the cloth to seep down to the tablet ports when doors are open.

Gently wipe the display with a soft, lint-free microfiber cloth. Do not use alcohol or detergent on the display.

Go from Mobile Tablet to Desktop Workstation

Simply deploy/open the flip stand located on the back of the Chameleon H to use the device as a desktop workstation. Return to original configuration to go back to tablet mode.
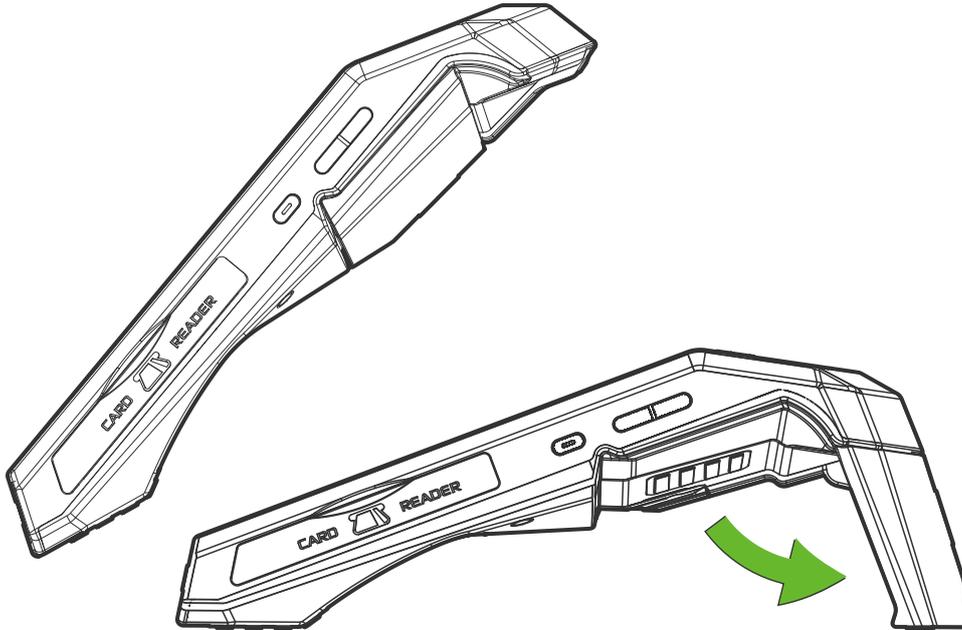
Regulatory Information

Marking labels located on the exterior of your tablet and packaging indicate the regulations that your model complies with. Please check the marking labels and refer to the corresponding statements below. For further product conformity declaration details please contact your local Chameleon agent or visit www.chameleonbiometrics.com.

CE Marking	$C\epsilon$	CE-RED. This device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive. • EMC:EN55032 EN55035 EN61000-3-2 EN61000-3-3 High frequency EMC：EN301489-1/3/17/52 RF：EN300328 EN300220 EN301511 EN301908-1 EN301908-2 EN301908-13 LVD：EN62368　　SAR：EN50360 EN50566 EN62209-1/2 EN52479 EN62311
FCC	FC	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. Changes not expressly approved by the manufacturer could void the user's authority to operate the equipment.
RoHS	✓RoHS	Refers to EU legislation restricting the use of hazardous substances in electrical and electronic equipment (EEE) and promoting the collection and recycling of such equipment (since February 2003). Waste EEE poses environmental and health risks if inadequately treated.

WEEE		Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.
ISO		ISO 9001:2015. This product is manufactured by an organization that meets the international standards to consistently provide products and services that meet customer and regulatory requirements.

Technical Specifications

Technical Specifications			
Operating System	Android™ 10		
Processor	MTK6765 (4xA53@2.3GHz) +(4xA53@1.8GHz) Octa (8) Core CPU		
Internal Memory	3GB RAM 32GB ROM	6GB RAM 64GB ROM	6GB RAM 128GB ROM
Display	8˝ Capacitive Touch Screen Resolution 1280 x 800 Pixels (RGB), Anti-Glare, Oleophobic, G+2F, 6H Hardness Scratch Resistant Tough Glass		
Cellular Connectivity	GSM: 850 / 1900 UMTS/WCDMA B2, B5 CDMA 800 MHz, 1900 MHz LTE FDD:B2/**B4/B5/B7**		
Wi-Fi	IEEE 802.11 a/b/g/n/ac 2.4GHz and 5GHz		
Bluetooth	Bluetooth 5.0		
Location	GPS + GLONASS + Galileo + Beidou		
Front Camera (Optional)	Standard 8MP Auto-focus		
Back Camera	13MP Auto Focus with LED flash (8MP optional)		

Technical Specifications	
External Connection Ports	1 x DC Charge/1 x OTG/2 x USB2.0/2 x Micro SIM/1 x 3.5mm Audio Jack/1 x Micro SD/2 x SAM
NFC Scanner (Optional)	Contactless Smart Card Reader ISO/IEC 18092 NFC, ISO 14443 Type A & B, MIFARE®, FeliCa
Sensors	Light Sensor / P Sensor
NFC Scanner (Optional)	Contactless Smart Card Reader ISO/IEC 18092 NFC, ISO 14443 Type A & B, MIFARE®, FeliCa
Microphone	1 x Internal Microphones
Audio	2 x Stereo Speakers
Protective Casing	Engineering Plastic Protective Casing with Flip Stand
Wrist Straps	Detachable lanti-drop lanyard
Battery	Removeable, Rechargeable Lithium-Ion Polymer Battery 3.7V, 10000mAH 8+ Hours Continuous Operating Time (On A Single Charge)
Power Adaptor	Input: 100-240VAC 50/60Hz Output: 12V / 1.5A Fast Charging Capability
LED Status Indicators	2 x Multi-Function Status LED Indicators Located in Power Button Switch and Above Screen on the Right Side
Dimensions & Weight	224mm x 211mm x 49mm, 0.84kg

Technical Specifications			
Environmental Conditions		Operating conditions:	Storage:
	Temperature	-10°C ~ +40°C	-20°C ~ +50°C
	Humidity (non-condensing)	10% < RH < 85%	5% < RH < 95%
Certification	FCC, CE, RoHS,UN38.3		

*We provide a free SDK/API to support all your development needs.
This device also fully supports multi-language options.

*Design & Specification subject to change without notice

Android is a trademark of Google LLC.

FCC STATEMENT

1.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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.

Health and safety information

Certification Information (SAR)

Exposure to Radio Frequency (RF) Signals

Your Tablet PC is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires Tablet PC to comply with a safety limit of 1.6 watts per kilogram (1.6 W/ kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements. The maximum of results of SAR is 0.705 (SAR1-g (W/kg)) for Body-worn , Hotspot , The maximum of results of 0.892 SAR1-g (W/kg)) For Simultaneous transmission SAR,Comply with FCC requirements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new tablet PC is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each tablet PC are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body worn operation, this tablet PC has been tested and meets the FCC RF exposure guidelines when used with accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 0mm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.