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CHAMELEON 8
SINGLE

CHAMELEON

Welcome to the Chameleon Family!

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 Windows 10 Professional 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. Laxton Inc. will be exempt from responsibility for any loss or damage which may be caused by the use (or misuse) of this publication.

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 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 Chameleon 8 Single combines advanced biometric technology with mobile functionality in one rugged device. Compact and user-friendly, this tablet allows rapid, secure communication and data capture. Adaptable biometrics. Adaptable configurations. Adaptable applications. Adaptable environments. The Chameleon 8 is truly the most adaptable biometric tablet in the world.

Key features

- Multiple configurations
- Windows 10 Professional Operating System
- Powerful Processor
- 8" Sunlight Readable Touch Screen
- 4G/Wi-Fi/Bluetooth/GPS Connectivity
- Fingerprint/Iris/Voice/Face Biometrics
- Digital Signature Capture
- Up to 13MP Back Camera
- Unique x4 light system

- Slide-Away Doors
- Shock/Drop Resistant
- IP65 Protective Rating
- MIL-STD810G Certified
- Multiple Interface Ports Including LAN and HDMI
- Removable Long-Life Battery
- Barcode Scanner
-

Note that some of the features mentioned below are dependent on specific model type configurations and do not necessarily apply to all Chameleon 8 Single models.

Purpose of this user manual

This manual has been designed to introduce the user to the device features, and components and 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.
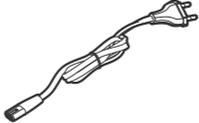
Packaging
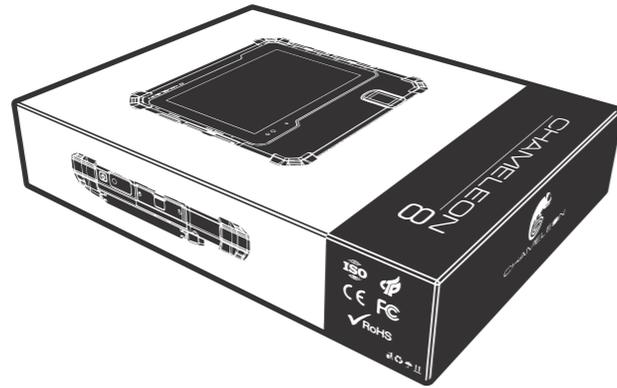
■ *Carton size: 340mm x 250mm x 80mm*   ■ *Carton with content weight: approx. 2.1kg (depending on config.)*
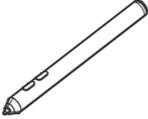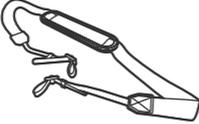
The Chameleon 8 Single device is neatly and securely packaged inside a custom carton box.
The carton box is clearly marked with:

- Supplier Details
- Unique Barcode Tracking & Identification label
- Each Carton Box will also be sealed with a tamper evident security label.

Parts list

When opening your Chameleon 8 Single packaging, please check and ensure that all the parts mentioned in the parts list are present and in good working condition.
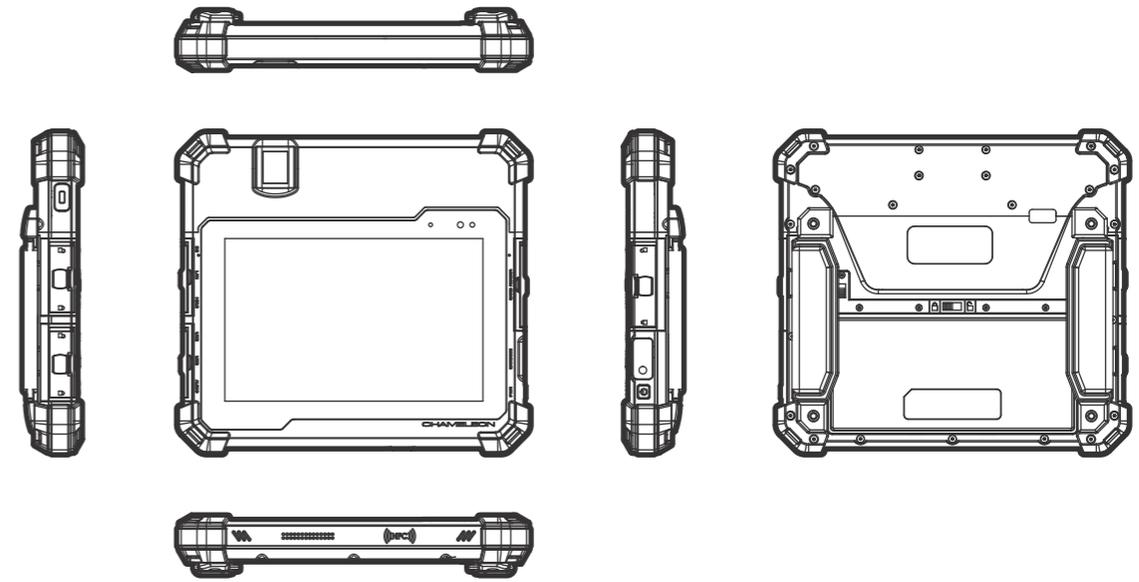
Part / Item	Image	Quantity
Chameleon 8 Single Tablet (Hand straps attached)		1
Power adapter (Battery Charger)		1
AC Cord		1
Manual		1

Part / Item	Image	Quantity
Cleaning Cloth		1
*Stylus		1
*Neck Strap (Optional)		1

*Indicates items available only on specific non-standard configurations.
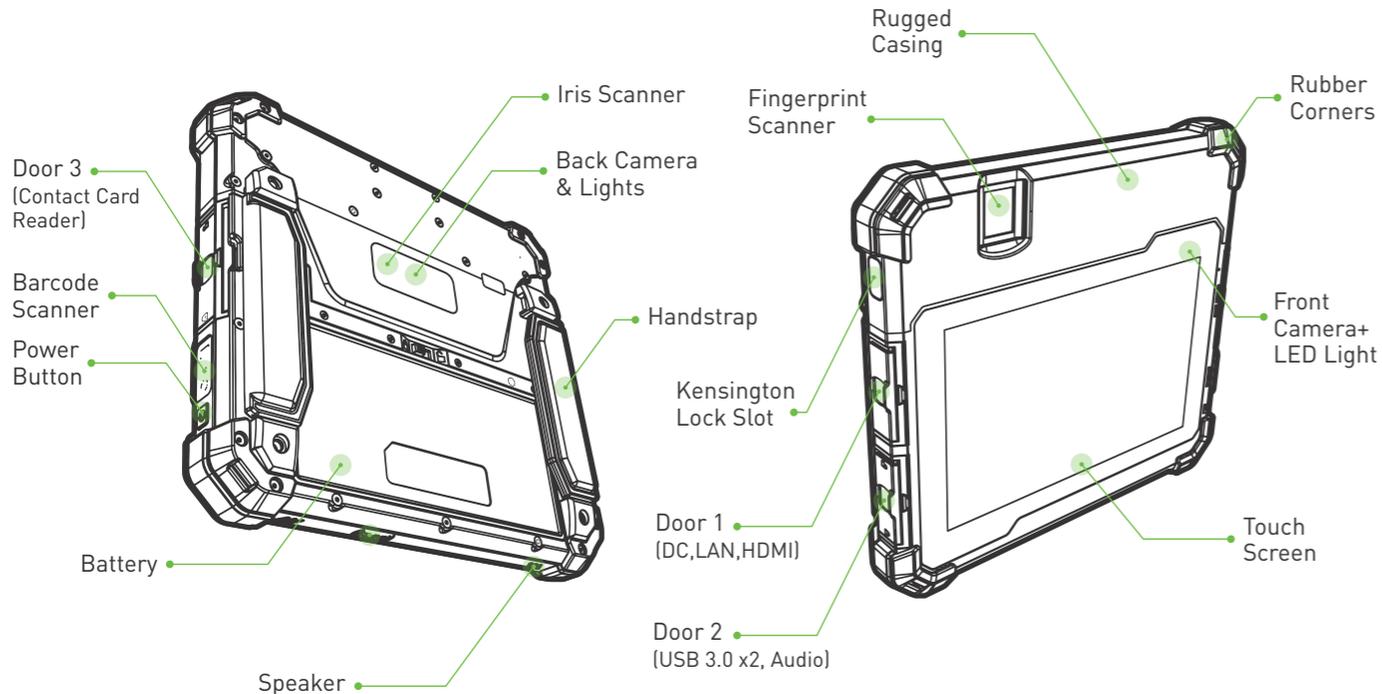
Product details

Physical Characteristics:

- Dimensions: 215mm x 237mm x 32mm
- Weight: 1.3KG (Approx. depending on config)
- Note: The Chameleon 8 Single can accommodate one or two single fingerprint sensors. The above image indicates the one single fingerprint model.

Product details

Physical Characteristics:

Iris Scanner

Rugged Casing

Fingerprint Scanner

Rubber Corners

Door 3
(Contact Card Reader)

Back Camera & Lights

Barcode Scanner

Handstrap

Front Camera+ LED Light

Power Button

Kensington Lock Slot

Battery

Door 1
(DC,LAN,HDMI)

Touch Screen
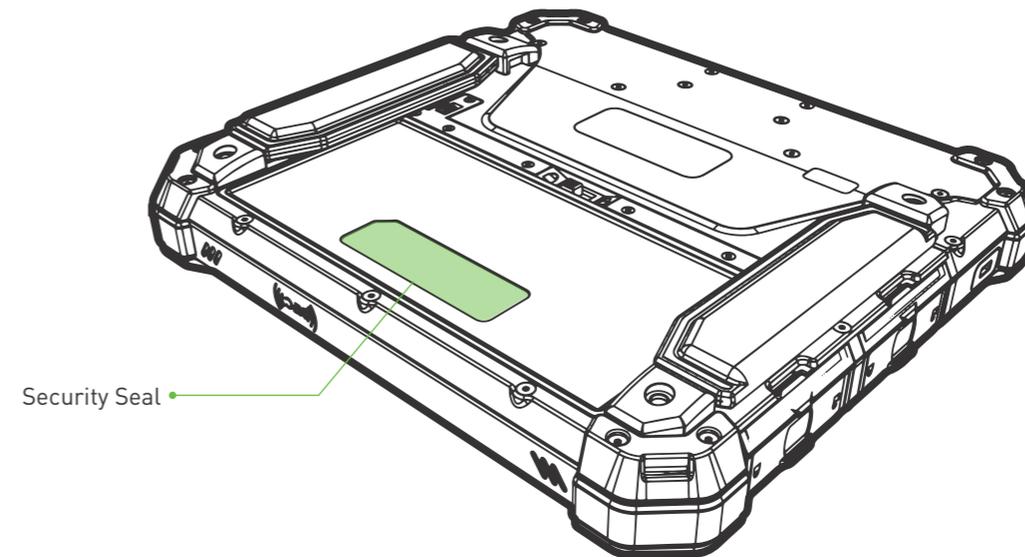
Speaker

Door 2
(USB 3.0 x2, Audio)

Labelling and security

The tamper evident tracking and security label.

Each Chameleon 8 Single device will have a unique tamper evident tracking and security label located both underneath the battery and on the outside of the battery cover. A third copy of this label can be found on the outside of the original packaging. Each label will contain information and tracking data unique to the specific device.

DO NOT ATTEMP TO REMOVE THE LABEL !!!

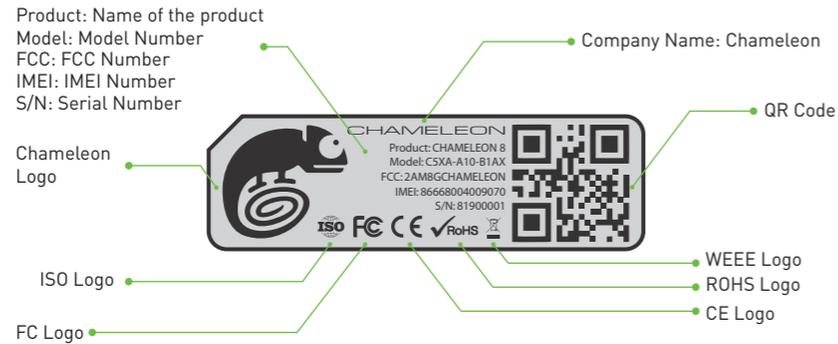Security Seal

Labelling and Security

The tamper evident tracking and security label.

Example

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

Product: Name of the product
Model: Model Number
FCC: FCC Number
IMEI: IMEI Number
S/N: Serial Number

Company Name: Chameleon

Chameleon Logo

QR Code

ISO Logo

WEEE Logo
ROHS Logo

FC Logo

CE Logo

Labelling and security

The tamper evident security seal will protect the device against unauthorized physical penetration. Only authorized personnel are allowed to perform maintenance on the internal components of the device.

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

⌐ DO NOT DAMAGE OR REMOVE THIS SEAL!!! ¬

Security Seal

SECURITY SEAL
DO NOT
TAMPER

SECURITY SEAL
DO NOT
TAMPER
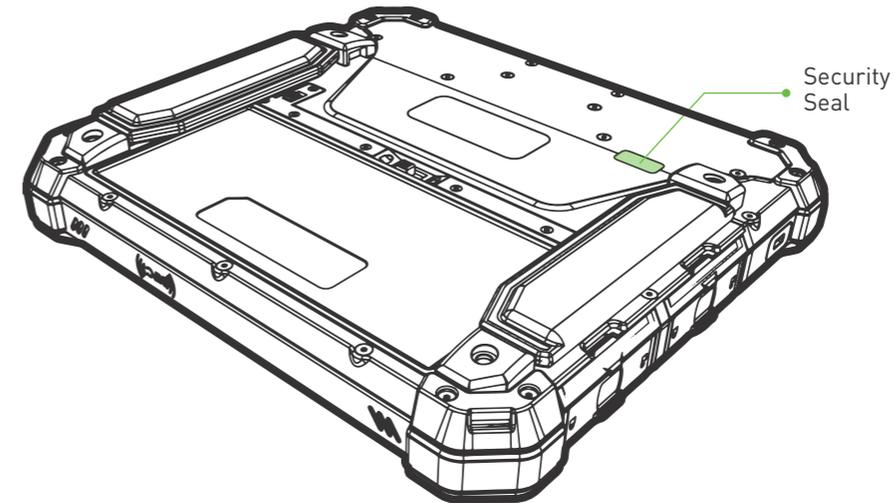
Battery install/remove

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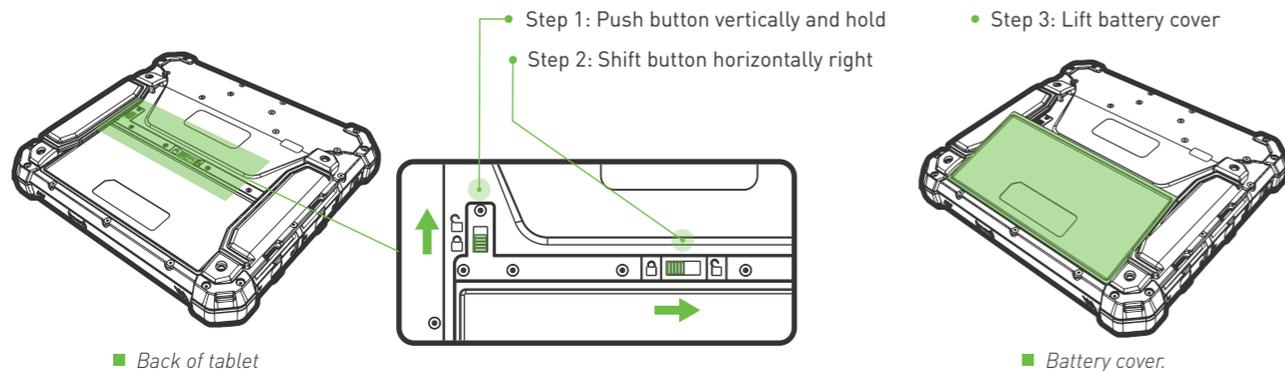
⚠ **WARNING:** Before removing or replacing the battery, turn off the device, disconnect the AC adapter from the electrical outlet and remove any other external cables from the device.
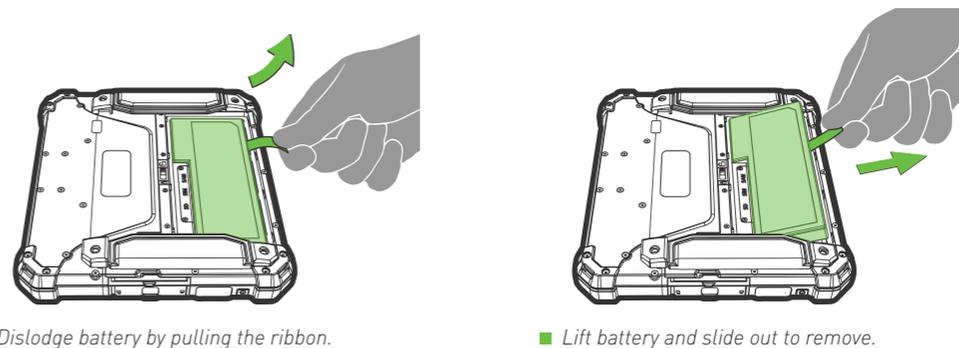
⚠ **WARNING:** Not for use in hazardous locations.
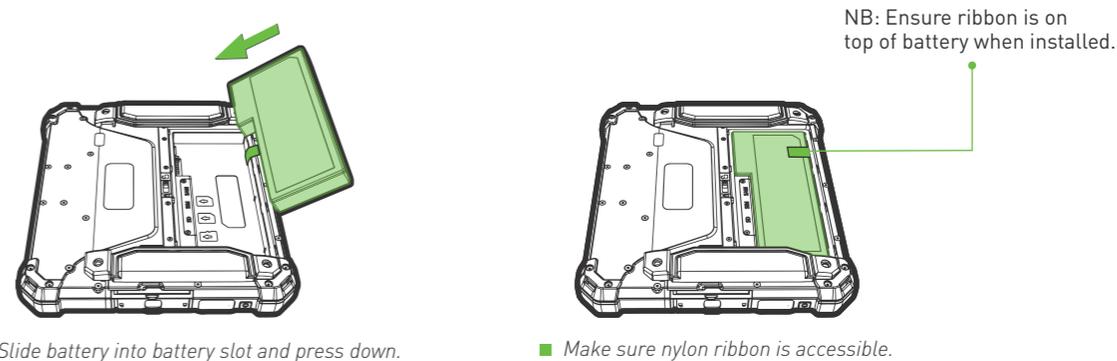
Unlock and remove the battery cover:

Step 1: Push button vertically and hold

Step 2: Shift button horizontally right

Step 3: Lift battery cover

■ *Back of tablet*

■ *Battery cover.*

Battery install/remove

Remove battery:

■ *Dislodge battery by pulling the ribbon.*

■ *Lift battery and slide out to remove.*

Install battery:

NB: Ensure ribbon is on top of battery when installed.

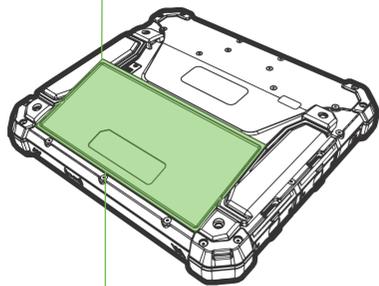■ *Slide battery into battery slot and press down.*

■ *Make sure nylon ribbon is accessible.*

Battery install/remove

Insert and lock the battery cover:

Step 2: Press front end of battery cover downwards
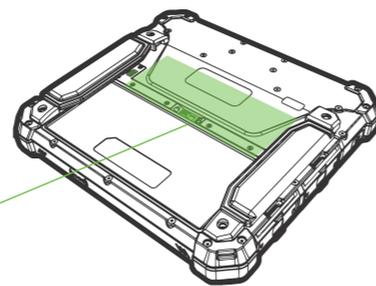
Step 3: Push button vertically and hold

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

■ *Battery cover and back of tablet.*
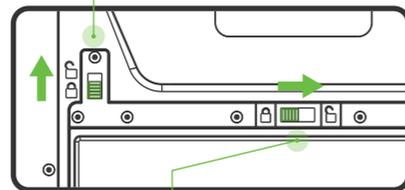
Step 4: Shift button horizontally right andputting firm pressure downwards on battery casing
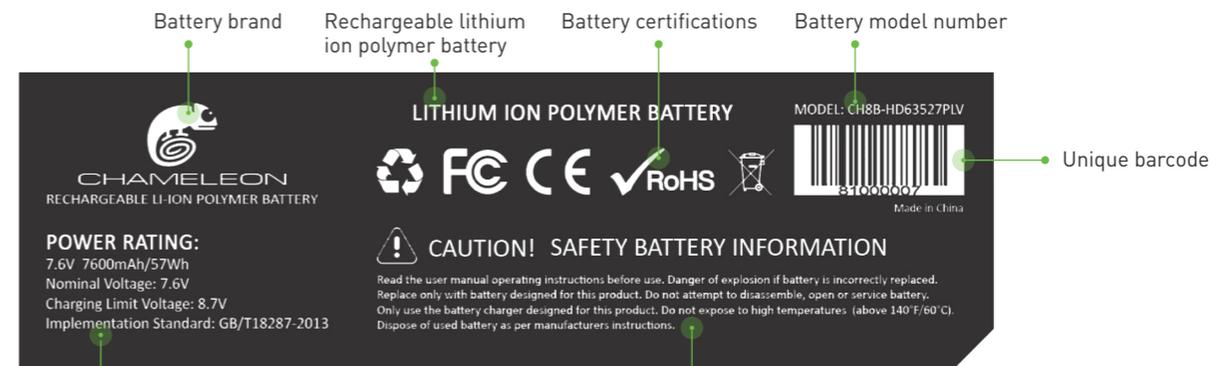
■ *Back of tablet.*

Battery information

The Chameleon 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:** 152mm x 70mm x 17mm

■ **Battery weight:** 0.27kg

■ **Charging time:** Approx. 2.5 hours

■ **Operation time:** Approx. 10 hours (depending on configuration)

Battery brand   Rechargeable lithium ion polymer battery   Battery certifications   Battery model number

LITHIUM ION POLYMER BATTERY

MODEL: CH8B-HD63527PLV

CHAMELEON
RECHARGEABLE LI-ION POLYMER BATTERY

FC CE ✓RoHS

POWER RATING:
7.6V 7600mAh/57Wh
Nominal Voltage: 7.6V
Charging Limit Voltage: 8.7V
Implementation Standard: GB/T18287-2013

⚠ 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 manufacturers instructions.

Made in China

Unique barcode

Power rating:

7.6V 7600mAh/57Wh
Nominal voltage: 7.6V
Charging limit voltage: 8.7V
Implementation standard:
GB/T18287-2013

Note: The battery is a consumable product.

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.

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.
  An embedded battery has a life span of more than 500 charge/discharge cycles.

**Chameleon 8 Single Power Management:**

Power supplied to different components is controlled on an as-needed basis.
This allows maximum power conservation and performance at the same time.

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

First turn off the Chameleon device and remove the battery. The SD/SIM/SAM card panel can only be accessed with the battery removed.
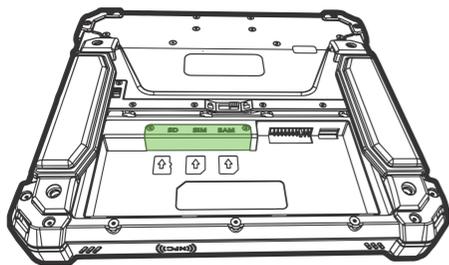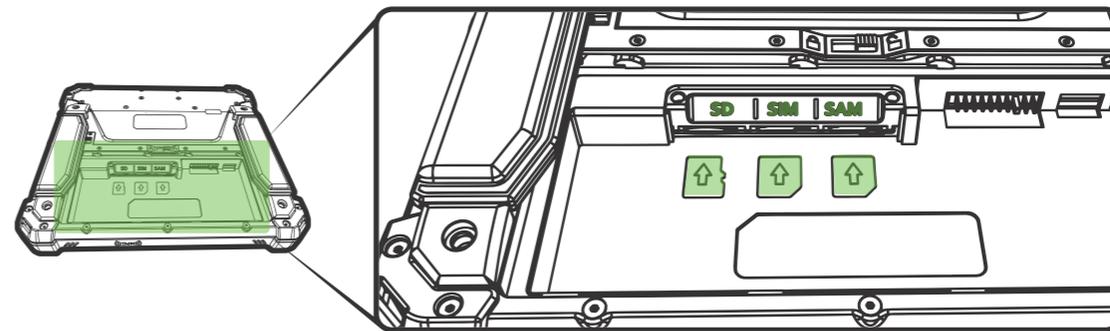

■ Step 1: Locate SD/SIM/SAM card position as indicated in the image.
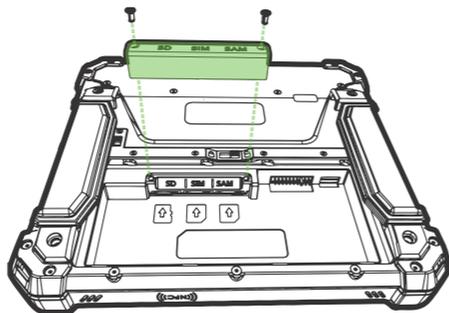
■ Step 2: Remove screws and lift card cover.

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 any time. A memory card can be installed at a later stage, does not need to be purchased with the device.*
■ *Insert micro SIM (Subscriber Identity Module) card into slot in correct orientation as shown above.*
■ *Insert micro SAM (Secure Access Module) card into slot in correct orientation as shown above.*
■ *Close the card cover after completion.*

*an optional tamper proof security seal can be added to protect this internal card section from unauthorized entry.

Doors

All Chameleon 8 tablets have three unique slide away locking doors. The doors are located on the sides of each tablet. The single door on the right side of the tablet protects the IC contact card reader. The two doors on the left side of the device covers the external connection ports.
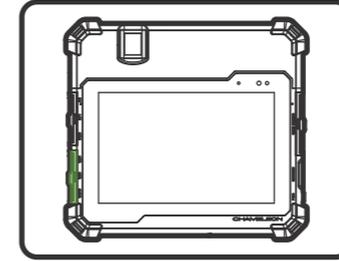
When looking at your tablet screen in the upright position (fingerprint reader at top), the doors will always be locked when the slidebars are down, and unlocked when the slidebars are up.
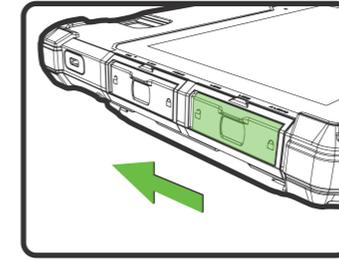
Unlock

Door 1
(DC,LAN,HDMI)

Door 2
(USB 3.0 x2, Audio)

Lock

Unlock

Door 3
(Contact Card Reader)
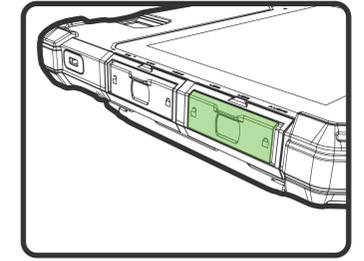
Lock
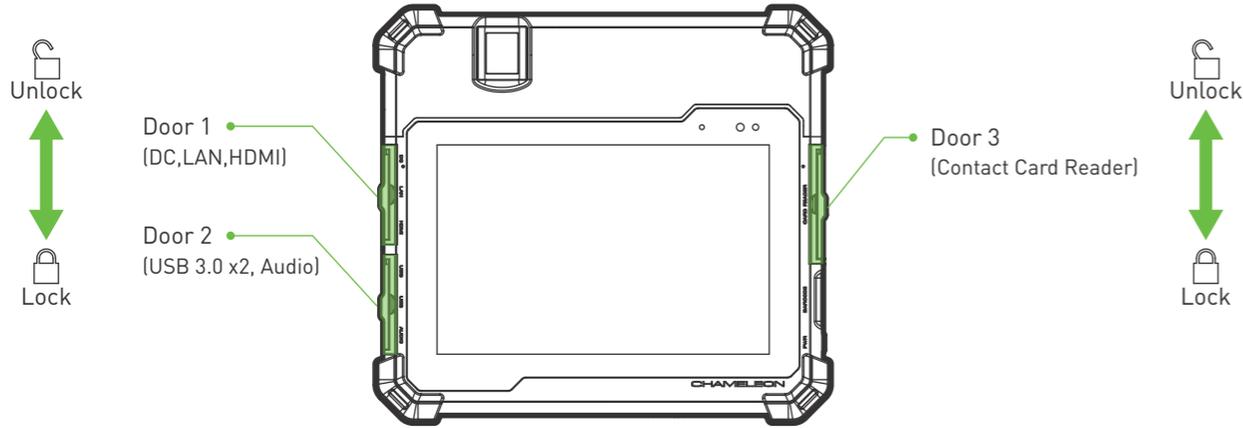
Doors

Opening and closing the doors:

Follow the steps below from step 1 to step 3 to open a door. To close a door, follow the steps in reverse order; from step 3 to step 1.
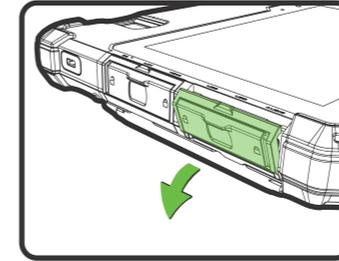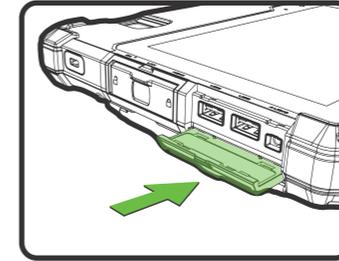

■ *Door 2 bottom left of the tablet.*

■ *Step 1: Push and slide the slidebars towards the "unlock" logo side (upwards).*
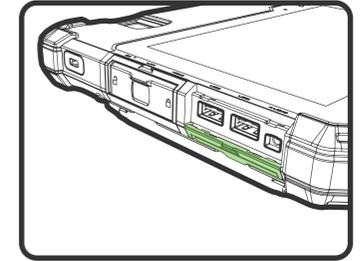
■ *Unlock position.*

■ *Step 2: Now pull the door open away from the tablet body.*

■ *Door open position.*
■ *Step 3: Push to slide the door into the tablet body (do not use excessive force).*
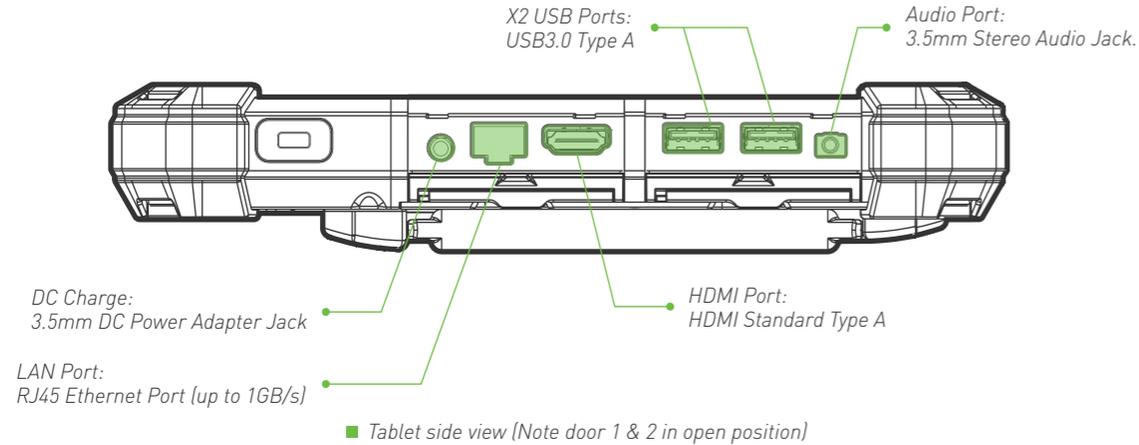
■ *Door housed inside the tablet.*

AUDIO / USB/ USB

When looking at your tablet screen in the upright position (fingerprint reader at top), the bottom left-side door (Door 1) covers a port panel. This port panel contains 1 x Audio and 2 x USB3.0 ports.
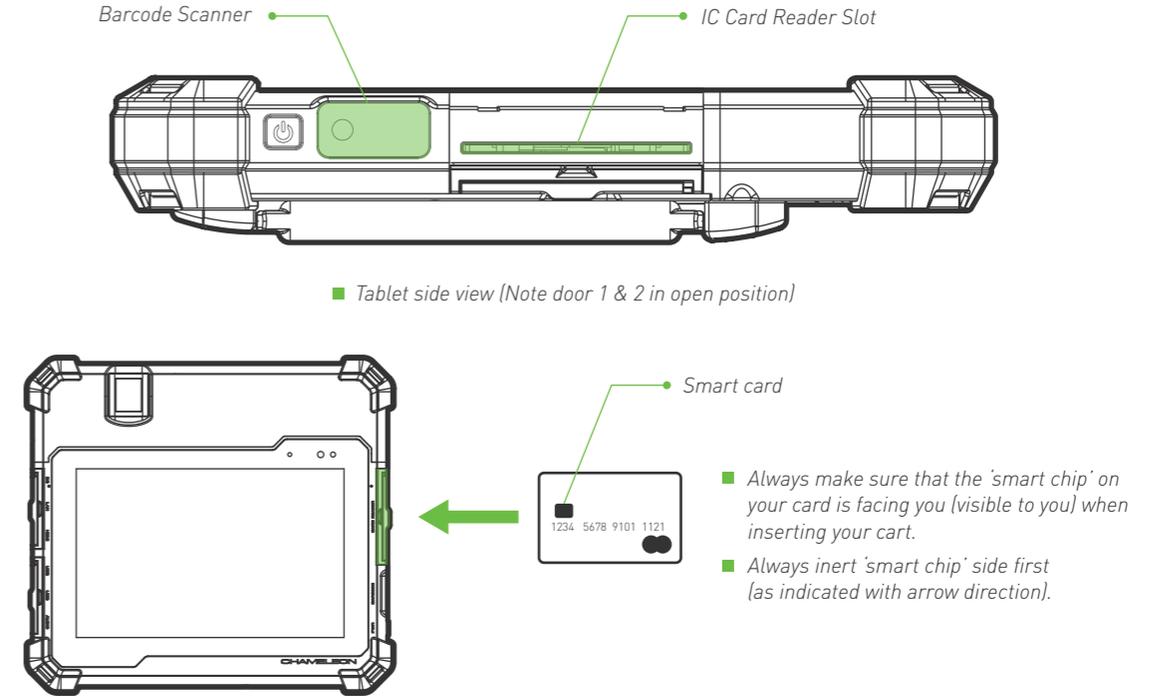
HDMI / LAN/ DC CHARGE

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

X2 USB Ports:
USB3.0 Type A

Audio Port:
3.5mm Stereo Audio Jack.

DC Charge:
3.5mm DC Power Adapter Jack

HDMI Port:
HDMI Standard Type A

LAN Port:
RJ45 Ethernet Port (up to 1GB/s)

■ Tablet side view (Note door 1 & 2 in open position)

IC CARD

When looking at your tablet screen in the upright position (fingerprint reader at top), the right-side door (Door 3) covers an IC Card Reader.

Barcode Scanner

IC Card Reader Slot

■ Tablet side view (Note door 1 & 2 in open position)

Smart card

■ Always make sure that the 'smart chip' on your card is facing you (visible to you) when inserting your cart.

■ Always inert 'smart chip' side first (as indicated with arrow direction).

1234 5678 9101 1121

Barcode scanner (optional)

When looking at your tablet screen in the upright position (fingerprint reader at top), the barcode reader is located just above the power button on the right side of the tablet.
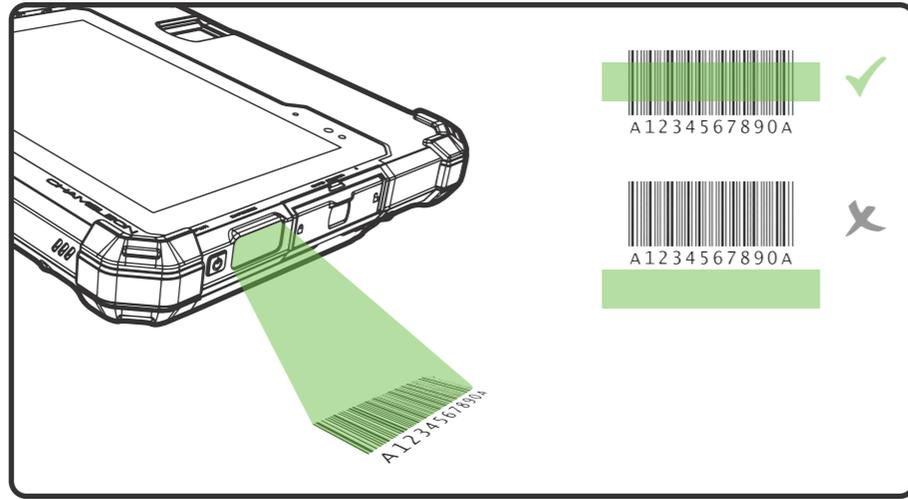

- *The barcode scanner is a sub-miniature area imager engine optimized for barcode reading. The engine captures digital images of a barcode for transmission to a decoder to decode a 1D or 2D barcode of any format supported by the decoding software. The scanner includes an LED aiming system, and an LED illumination system. Please select your preferred image capture preferences and parameters.*
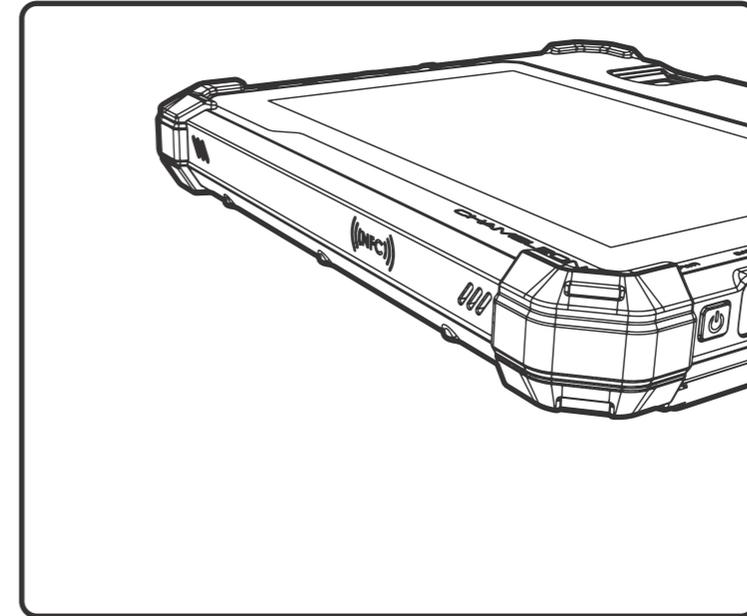
Touch screen

The Chameleon 8 Single 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.
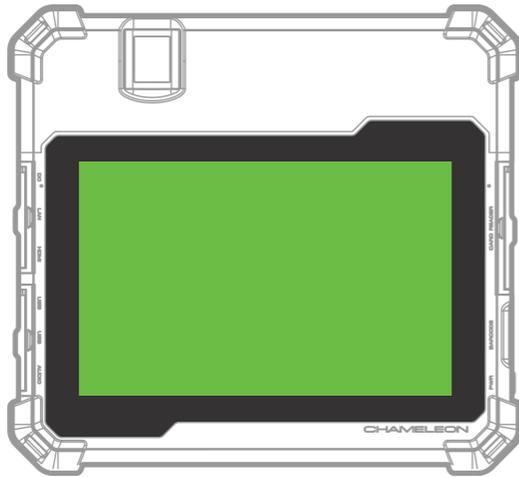
- *Keep your tablet display clean by using a soft, lint-free cloth. Use a damp microfiber cloth to take care of fingerprints, grime, and stubborn stains. Once all the stains are removed, wipe the screen again with a dry microfiber cloth. Always turn your device off before cleaning it. Never spray or 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
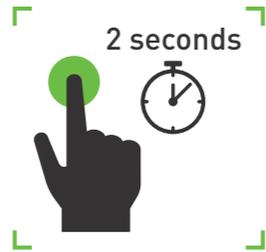
Front camera & light

The front auto-focus camera and LED light is located on the top right side of the touch screen.

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.

Back Camera & Lights

Front Camera & Lights
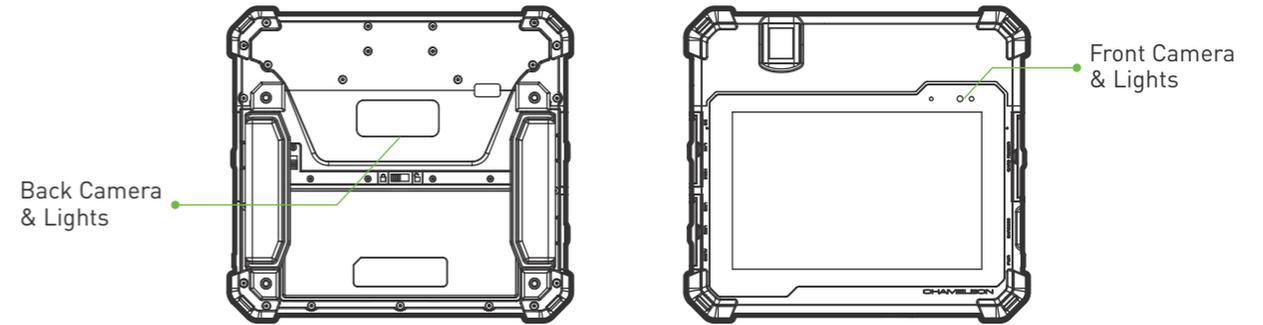
Back camera & lights

The back auto-focus camera and unique 4 x LED light system is located in the center above the battery cover on the backside of the device.

Both the camera and lights 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.

Iris scanner

The single iris camera with near infrared illumination is located in the center above the battery cover on the backside of the device.
This scanner can be used indoors and outdoors. The optimal distance from eye to scanning window is 14cm.

The iris scanner can be activated using the software on the tablet. Once activated, the camera will automatically capture the iris image when aligned with the eye and within range. Be sure to hold the tablet stable until iris is in correct position on the capture window screen. The operator must make sure the image quality is correct using the software indicators. Each eye (left and right) must be captured independently. Always keep the lens area clean and avoid scratches.
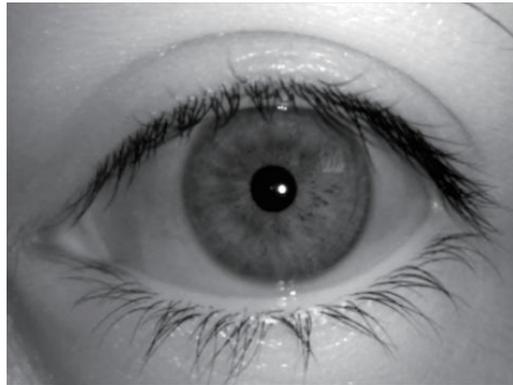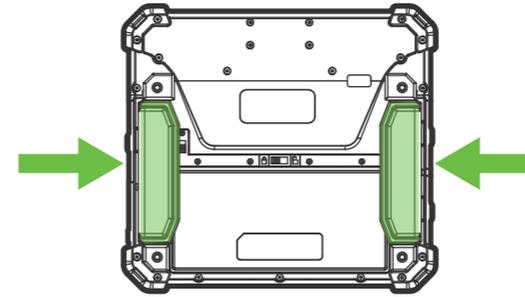

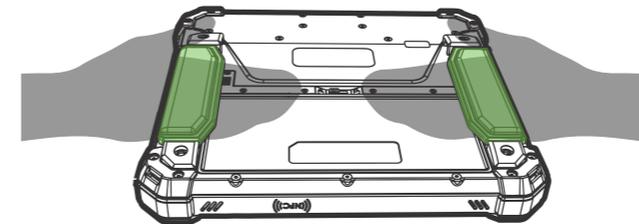■ *Example of capture window screen image*

14cm
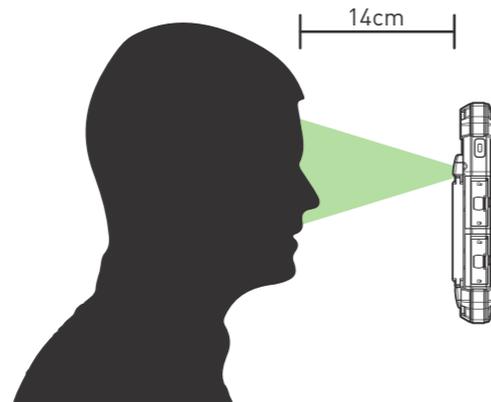
■ *Optimal distance from eye for scanning.*

Hand straps

The Chameleon 8 Single device comes standard with 2 x elastic hand straps. One of the hand straps will have a stylus holder.
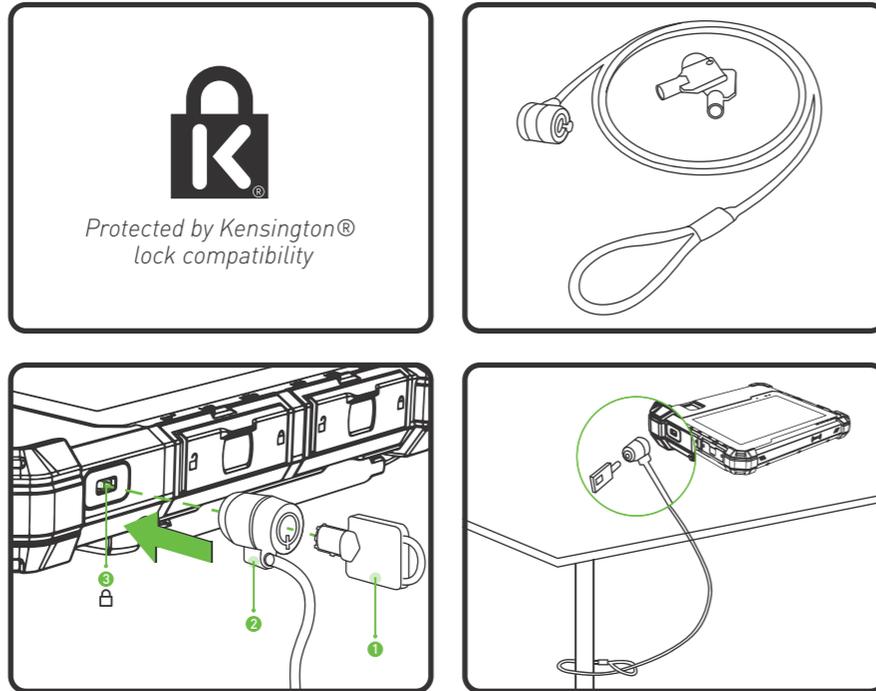

■ *Simply slide the front section of your hand into a hand strap.*

■ *The hand strap will help support grip and prevent accidental dropping of the device.*

Kensington lock

The Chameleon 8 device comes standard with a Kensington lock slot. You can use a Kensington-type cable lock to secure your tablet against theft.

Protected by Kensington® lock compatibility

Fingerprint scanner

The Chameleon 8 Single can accommodate 1 or 2 single optical fingerprint scanners. Each fingerprint scanner is FBI PIV and Mobile ID FAP20 certified to ensure fast high quality image capture.
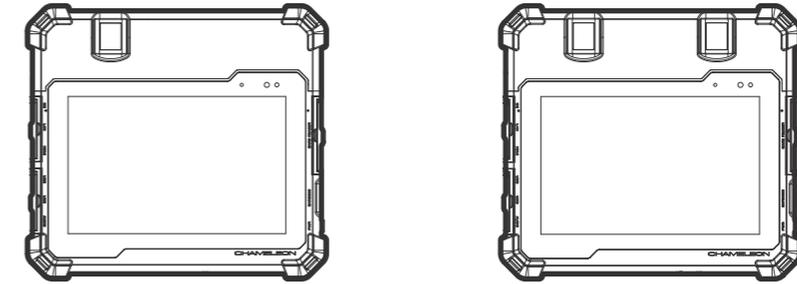
- *The fingerprint sensor is software activated and will illuminate red when ready for use. Simply push down on the capture window with the last joint of the finger. Do not use excessive force. Always keep the capture window clean.*