Laxton

Tablet

Kiosk

Handheld

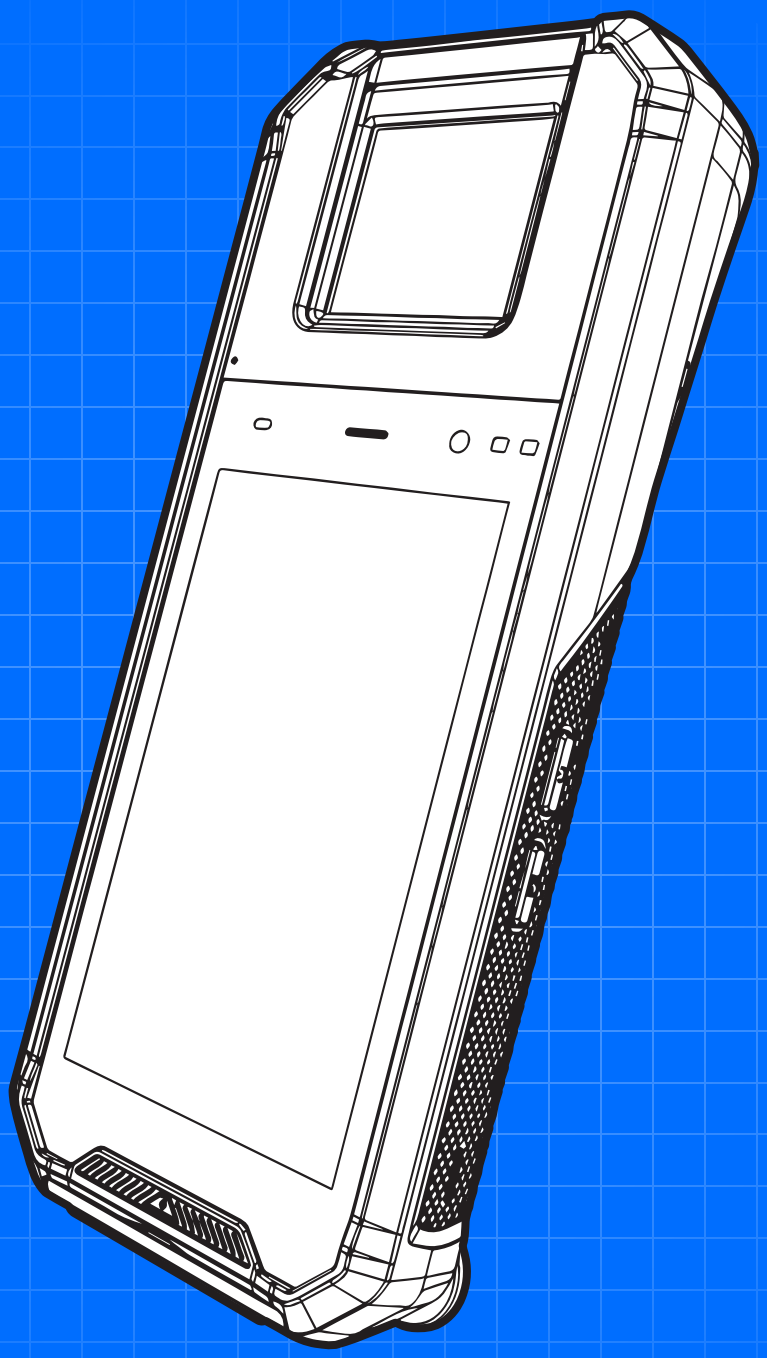
Kit

Desktop

5L

5R

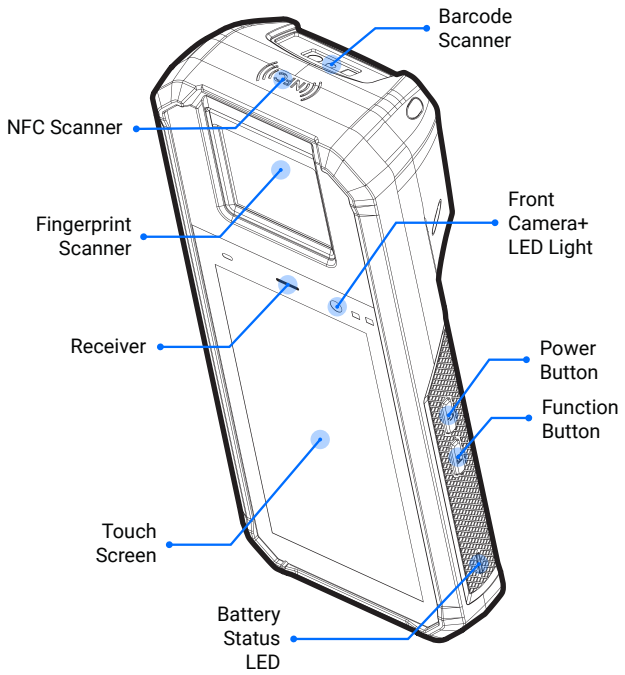
7

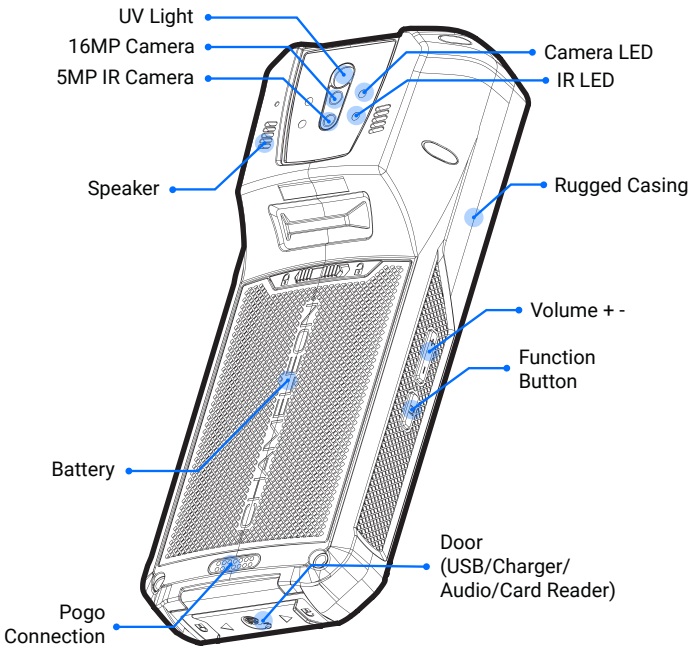


CHAMELEON 5R

Technical Specifications

CHAMELEON 5R





Functionality

Fingerprint Scanner	Please see *Device configurations* section	
Document Authentication	Enhanced forensic document authentication and verification with visible, infrared, and ultraviolet illumination.	
Sensors	G-Sensor, Light Sensor, Proximity Sensor, Accelerometer	
Speaker	2 x 1W Stereo Speakers	
Microphone	2 x Internal Microphones	
Camera & Light System	Rear camera: integrated 16.0 mega pixels, auto focus Back flash (2x White LED's) with adjustable intensity Light System, UV LED light 365nm	IR Camera: 5MP with 2xIR LED's 850nm Front Camera: Integrated 8.0 mega pixels with LED light
Contact Card Reader	Supports ISO 7816 –Class A,B and C EMV Level 1, EN60950/IEC 60950, Supports T=0 , T=1 Protocols	CAC Smart Cards Supported
Contactless Card Reader	Android Google Standard protocol onboard ISO/IEC 18092 NFC, ISO 14443 Type A & B, MIFARE, FeliCa	Protocol: ISO 14443-4 Compliant Card, T=CL MIFARE Classic Card, T=CL(ISO18092, NFC Tags, FeliCa)
Barcode Scanner (Optional)	Laser 1D & 2D Barcode Scanner (including PDF417 and QR Codes) Proprietary CMOS sensor with global shutter 844 x 640 pixel resolution with Decode Capability	High performance scan rate 100 scans/sec with Decode
Temperature Scanner (Optional)	Integrated Thermal Body Temperature Scanner Temperature Range: 34-42°C (93.2°F - 107.6°F)	Capture Distance: 400-600mm (15.75”-23.62”)
Soft Protective Casing	Protective and durable PC/ABS enclosure with rugged silicon over mold IP65 Rated, MIL 810G Certified, Tamper Protected	1.2m (3.94ft) Drop Test Certified Durable nylon hand strap included

System

Operating System	Android 10		
Processor	Qualcomm® Octa-core CPU up to 2.2 Ghz with Adreno 512 GPU		
Memory	4 GB RAM LPDDR 4		
Storage	64 GB ROM eMMC		
Display	5.5” TFT 10-point capacitive multi-touch LCD display Resolution: 1080 x 1920 pixels. Brightness: 400cd/m²	Anti-glare, oleophobic, scratch-resistant, accomodates wet finger and glove operation.	
Physical Buttons	Function 1/ Function 2/ Power ON-OFF/ Volume UP-DOWN		
LED Status Indicator	Multi-function status LED indicator		
Operating Conditions		Operating conditions:	Storage:
	Temperature	-20°C ~ +55°C (-4°F ~ +131°F)	-25°C ~ +65°C (-13°F ~ +149°F)
	Humidity (non-condensing)	10% < RH < 90%	5% < RH < 95%

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Connectivity & Ports

Cellular	3G/4G Modem, LTE – FDD, LTE-TDD, Intra Band 2xCA (DL), WCDMA, GSM	
Modem Bands (EMEA region)	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 (A+B) LTE-TDD: B38/B39/B40/B41	WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: B2/B3/B5/B8
Modem Bands (USA region)	LTE-FDD: B2/B4/B5/B7/B12/B13/B17/B25/B26/B66/B71	LTE-TDD: B41 WCDMA: B2/B4/B5
Wi-Fi	IEEE 802.11 a/b/g/n/ac (2.5GHz and 5GHz)	
Bluetooth	Bluetooth 5.0	
GPS	GPS (GNSS) and GLONASS Receiver	Accuracy within 5m (16.4ft)
POGO Connection	External POGO for dock-pin charging, file transfer (USB3.0 functionality with short circuit protection)	
Ports	• 1 x USB3.0 Type A • 1 x Fast Charing Port (OTG Function) • 2 X Micro SIM	• 1 X Audio Port (supports 3.5mm (0.14") headphone jack) • 1 x Micro SD (Maximum1 TB) • 1 x Micro SAM

Power

Battery	1 x removable, rechargeable lithium-polymer 7100mAH / 3.85V smart battery. Approx. 9 hours operating time
Power Adaptor	Input: 100-240VAC 50/60Hz Output: 5VDC 2A

Certifications

Other certifications	REACH, PTCRB, GMS & CCC

Configurations

FAP 20		• Optical FAP 20 Fingerprint Sensor • FBI PIV/FIPS201 and FBI Mobile ID FAP 20 Certified • 500PPI Resolution • Live Fingerprint Detection (LFD) Technology • Captures wet and dry fingerprints Dimension: 225mm x 98mm x 36mm (8.86"x3.86"x1.4") Weight: 660g (1.46lb)
FAP 30		• Optical FAP 30 Fingerprint Sensor • FBI PIV/ FBI Mobile ID FAP 30 Certified • 500PPI Resolution • Live Fingerprint Detection (LFD) Technology • Captures wet and dry fingerprints Dimension: 225mm x 98mm x 36mm (8.86"x3.86"x1.4") Weight: 660g (1.46lb)
FAP 45		• Dual flat print and single finger roll scan using LES (Light Emitting Sensor) Technology • Mobile ID IQS FAP 45, PIV, GSA FIPS 201, FBI Appendix F Certified • 500PPI resolution • Captures both Rolled and Flat Fingerprints. • Surface Durability : MIL-C-675c 4.5010, MIL-STD-810F • Surface Resistance Ammonia, IPA, Methanol, Soaps/detergents, Salt Water • Latent prints are not recognized, excellent with dry and dirty fingers • Can perform scans in indirect/direct sunlight, perform all requirements common in Ten Print enrollment applications. Dimension: 241mm x 98mm x 55mm (9.49"x3.86"x2.17") Weight: 730g (1.61lb)

- Standard component SDKs are provided free of charge to allow your development team to integrate their front-end applications onto our hardware. Laxton provides integration support and extended SDKs / APIs as an optional service. Please get in touch with your sales representative for more information and pricing.
- This device fully supports multi-language options.
- Design & specifications are subject to change without notice.

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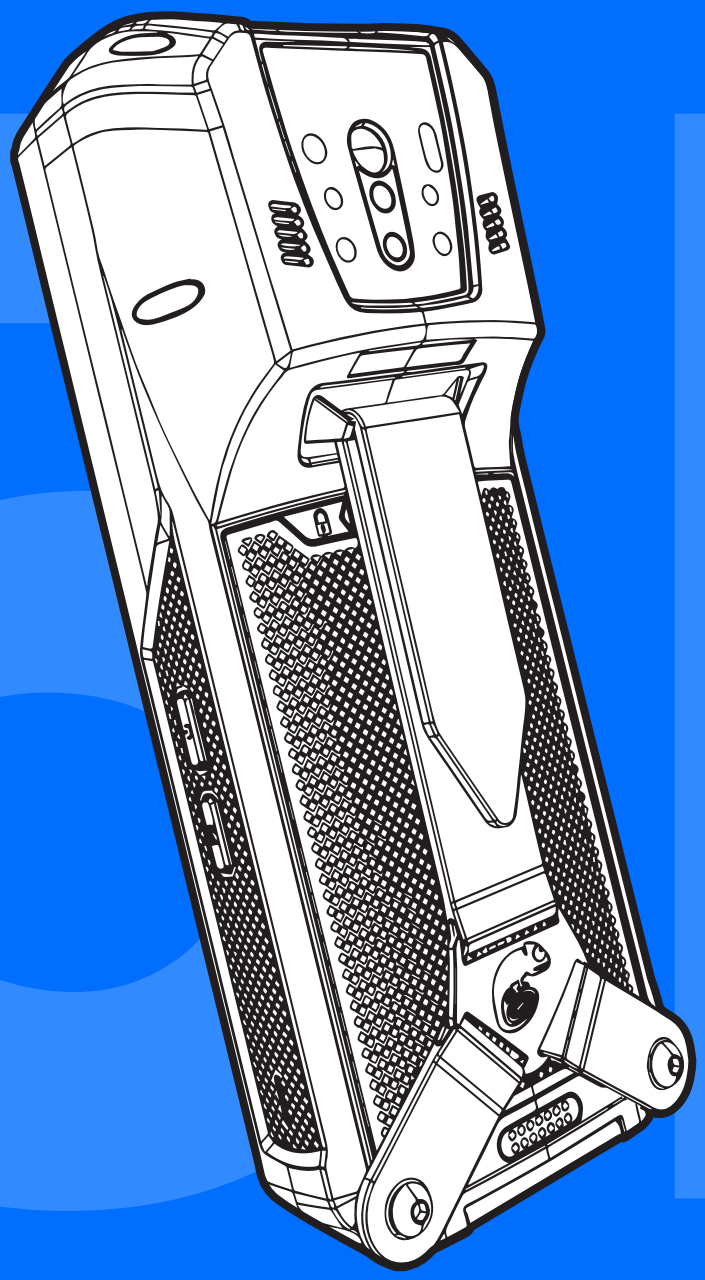

CHAMELEON 5R

Multi-Modal
Biometrics

Identity Document
Authentication

Portable &
Rugged

ACCESSORIES

Protective Case

A custom EVA protective case with handstrap, power adaptor and stylus.

Utility Holster

Adjustable and rugged nylon carry pouch with a variety of attachment options.

Specific Absorption Rate (SAR) information:

This RUGGEDIZED HAND-HELD DEVICE meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: RUGGEDIZED HAND-HELD DEVICE has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the device kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 10mm separation distance between the user's body and the back of the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

FCC Statement

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 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.