CREDENCE **ID**

CredenceTAB™: Product Overview & Technical Specifications

CredenceTAB™ is an elegant combination of biometrics, credentials and enterprise-grade mobile technology. It places the power of mobile identity into the hands of companies and agencies that need it the most.

This award-winning mobile device brings together a FAP-30 fingerprint sensor, two cameras, contact & contactless smart card reader, ePassport reader and Android™ 6, all operating seamlessly on a state of the art mobile chipset, creating endless application possibilities.

Designed to support multiple use cases, CredenceTAB can empower a diverse group of agencies to build and deploy targeted applications for their desired objectives, work-flows and environments.

A Revolution In Mobile Biometric Applications

Functionality	Technology	Customer Benefit
High Performance, industrial grade computational system	Freescale, i.MX6(1GHz), ARM Cortex-A9, QUAD core processor	i.MX6 is an industrial grade ARM application processor that ensures demanding applications can be served responsively & intuitively.
OPEN yet Secure Operating System and Multi-Application Architecture	• Custom built secure Android Marshmallow 6.0 OS • Java SDK for biometric and credential (SmartCard, ePassport) functionality • The most exhaustive collection of third-party apps for a variety of biometric algorithms, multiple credential authenticators, 1D and 2D barcode reading, device management, etc.	Our latest Android OS unlocks unlimited development options, reduces risk, obsolescence and vendor lock-in. Application development is exponentially accelerated because of the OS's rich features. A dedicated OS version available for developers and a secure version for deployments.
High-Speed and Secure Memory	• Onboard storage: 16GB eMMC • External SD Card slot: up to 64 GB SD card (purchased separately) supported • RAM: 2GB LPDDR3	2GB of DDR3 RAM and internal eMMC memory built into the main board provide unparalleled combinations of high speed data I/O and security.

Multiple Connectivity	• Wi-Fi: 802.11 b/g/n 2.4GHz
	• Bluetooth 4.0
	• Cellular:
	  - LTE (Asia, Europe, South America, Africa): B1(2100)/B2(1900)/B3(1800)/B7(2600)/B8 (900)/B20(800DD)/B5(850)
	  - LTE (North America): B2 (1900)/B4(AWS)/B17 (700bc)/B5 (850)
	  - 3G: HSPA+/HSPA+/HSPA/UMTS dual-band B1/B2/B5/B8
	  - 2G: EDGE/GPRS/GSM quad-band 850/900/1800/1900 MHz
	• GPS: Standalone multi-GNSS (GPS, GLONASS, Galileo, QZSS and SBAS) engine with active antenna
		LTE cellular support ensures the CredenceTAB can take advantage of latest world-wide networks.
		
		Latest generation Wi-Fi and Bluetooth capability opens abundant communication options. A dedicated GPS engine paired with an active antenna provides best in class location accuracy and speed.

Touchscreen Display	• Size: 10-inch diagnol • Resolution: 800x 1280 pixels • Type: Capacitive multi-touch	Large display area and user interface is part of a highly mobile and ergonomically designed package that guarantees a pleasant, intuitive and efficient operator experience.
Integrated enrollment grade FAP 30 FBI and FIPS 201 PIV certified LES Technology finger print sensor	• Type: light emitting sensor (LES) • Image Capture Size: 0.8 x 1.0 inch • DPI: min 500dpi • Classification: FAP 30 • Certification: FBI and FIPS 201 PIV	LES sensors provide many operational benefits compared to optical scanners on mobile device, like outdoor sunlight operations. The image quality is very resilient to various environmental conditions commonly encountered in the field like sunlight, dust, dirt, residual latent prints, etc.
Contact and Contactless Smart Card Reader	**Contactless Interface:** • Read/write mode supporting ISO/IEC 14443A/B MIFARE • Read/write mode supporting MIFARE • Read/write mode supporting JIS X 6319-4 (FeliCa1) • Passive initiator mode according to ISO/IEC 18092 • Read/write mode supporting ISO/IEC 15693 **Contact Interface:** • Acceptor: Friction • Insert/remove cycles: 100,000 • Cards supported: ISO 7816 T=0, T=1	Compatible with most smart card standards, the smart card reader provides reliable support for wide range of card formats and card types.

Functionality	Technology	Customer Benefit
Uniquely integrated ePassport Reader with MRZ and Contactless Reader	**MRZ Scanner:** • 1 line: IDL, CAN • 2 lines: ID2 cards, ePP • 3 lines: eID • Font Type OCR B **Contactless Reader:** • Read/write mode supporting ISO/IEC 14443A/B • Read/write mode supporting All MIFARE products: Ultralight, 1K, 4K, Plus, DESFire EV1	Integrated ePassport reader to simultaneously read Machine Readable Zone (MRZ) and contactless chipofan ePassport without any swiping provides 100% accuracy with minimal user training. This unique and integrated design with a dedicated contactless antenna custom designed for passport documents, delivers unprecedented speed and ease.
Integrated Front and Rear Camera	• Resolution: 5MP Front and 5MP Back Camera • Autofocus: Back camera with continuous focus and touch-to-focus. Fixed focus front camera. • Flash: Back camera with Dual Illumination Flash. No Flash on front camera	An integrated camera gives users an intuitive and familiar experience when capturing still images. The camera enables additional high value applications such as facial recognition, 1D & 2D barcode reading capabilities, such as PDF-417.
Easy to Expand	• Micro-USB port with USB-On-The-Go (USB-OTG) support. • Expansion Docking Port: Power and Data (RS232 Ethernet)	Many industry standard peripherals such as printers or magnetic strip readers may be connected via OTG Micro-USB port. Expansion port can provide power and Ethernet (RS232) interface. Expansion port cable sold separately.
Full Day Battery Life	• 8000 mAH Li-Ion battery • Capable of fast charging (3A) • Certified worldwide 3.2A charger included	With one of the highest capacity batteries for devices in its class, CredenceTAB ensures full day performance. Fast charging technology gets the device back to full capacity in under 4 hours.
Physical Security	• Integrated Kensington Lock Port	Kensington Security Slot™ with Security Anchor is built into the device which provides one-step security using a commercially available ClickSafe® Lock (sold separately).
Accessories	• Protective Case with hand grip	An optional leather case provides protection from the elements and drops.

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