CredenceECO-Identifier™

Product Overview & Technical Specifications

CredenceECO-Identifier™ is an economical next generation biometric and credential reading identity platform that places the power of mobile authentication into the hands of users in the most demanding environments.

This new platform features a 2.0GHz quad-core Single Board Computer (SBC) with 4GB-RAM/16GB-eMMC and a stronger mechanical enclosure that all work together to achieve MIL-STD-810H (formerly 810G) United States Military Standard.

An integrated FAP 20 FIPS-201 FBI certified 500 dpi fingerprint sensor, a 5 or 13 MP camera with LED illumination and a dual interface contact/contactless smart card reader, make CredenceECO-Identifier™ an intuitive and elegant combination of biometrics, credential reading and mobility.

CredenceECO™ can empower partners to build and deploy customized solutions for their desired objectives, workflows, environments and use cases.

Finally, an affordable device for identification applications including:
● Know your customer (KYC) for banking or SIM card registration
● Patient identification for healthcare
● Law enforcement and public safety
● Voter registration and ID
● Traveler identification
● Census taking
● and many other applications that benefit from fast and accurate identification of an individual

A Revolution In Mobile Biometric Applications

High Performance computational system	- Mediatek Helio A22 MT6761 SoC Quad Core A53 @2.0GHz
OPEN yet Secure Operating System and Multi-Application Architecture	- Google Certified Android Operating System (Android 11), - Java SDK for biometric and credential (SmartCard) functionality - Over-The-Air (OTA) updates for OS and SDK
High-Speed and Secure Memory	- Onboard storage: 16GB eMMC - External SD Card slot: up to 128 GB SD Card (purchased separately) supported - RAM: 4GB LPDDR4

Multiple Connectivity	- Wi-Fi: 8.11a/b/g/n/ac 2.4 + 5GHz
	- Bluetooth: 5.0 BR/EDR/LE (Compatible with Bluetooth 1.x, 2.x, 3.x & 4.0)
	- 3G-WCDMA: B1/2100;B2/1900;B5/850;B8/900
	- 3G: TD/SCDMA:B34/B39
	- LTE:
	   o USA: B2, B4, B5, B13, B17
	   o EU: B1, B3, B20
	   o Africa/South East Asia : B1, B2, B5, B8, B19.
	- GPS: Standalone multi-GNSS (GPS, GLONASS, Galileo, QZSS and SBAS) engine with active antenna
	- Dual SIM

Touchscreen Display	- Size: 5.5-inch diagonal - Resolution: 720x1280 Pixels - Type: Capacitive multi-touch panel
Integrated enrollment grade FAP 30 FBI and FIPS 201 PIV certified LES technology fingerprint sensor	- Type: Thermal-Capacitive - Image Capture Size: 0.8 x 0.6 inch - DPI: min 500dpi - Classification: FAP 20 - Certification: FBI and FIPS 201 PIV
Contact and Contactless Smart Card Reader	Contactless Interface: - Read/write mode supporting ISO/IEC 14443A/B MIFARE - Read/write mode supporting MIFARE Contact Interface: - Acceptor: Friction - Insert/remove cycles: 100,000 - Cards supported: ISO 7816 T=0, T=1
Integrated Camera	- Resolution: 5 Megapixel (up to 13 Megapixel) - Autofocus: Continuous focus and Touch-to-focus - Flash: LED
Easy to Expand	- USB-C port with USB-On-The-Go (USB-OTG) support.
Fast Charge and Full Day Battery Life	- 6,400 mAh Li-Ion battery (largest in its class) - Fast charging with Certified worldwide fast charger included
Environmental conditions	- IP Rating: IP64 - Shock resistance: MIL-STD-810H (formerly 810G) compliant
Available Accessory	- Protective rubber case with lanyard

CredenceECO-Identifier is designed to work seamlessly with CredenceCONNECT™ MDM (mobile device management). Credence CONNECT is an web-based intuitive platform that provides managers with services including device monitoring and location mapping, activity reporting, application provisioning and management, battery monitoring, remote locking/wiping, and device configuration.