

access^{ER} e-ID smartcard reader



PHYSICAL CHARACTERISTICS

DIMENSIONS & WEIGHT	210 mm x 79 mm x 17.2/30 mm (LxWxD) 350 grams including battery
SCREEN & TOUCH PANEL	5.0" HD screen (1280x720) Capacitive touch panel Touch Panel Glass: Corning Gorilla Glass 3
CAMERA	Front camera: 5MP Rear camera: 13MP Autofocus
EXTENSION, SENSORS & COMMUNICATION PORTS	1 Micro SD slot 2 Nano SIM/USIM slots (ISO7816) 1 USB 3.0 Type C 2 Pogo Pins for Charging Speaker Microphone Receiver Power Key Volume Key Up & Down 3 Programmable Keys Gyroscope e-Compass Light Sensor Accelerator
BATTERY	3.85V 4000 mAh exchangeable battery Support QC3.0 Quick Charge Battery Life: to 8-12 hrs or more (Typical) depending on use case

PERFORMANCE CHARACTERISTICS

PROCESSOR	Octa Core @ 2.2 GHz Qualcomm SDM660
MEMORY	4 GB RAM 64 GB Flash Up to 64 GB via the Micro SD Slot
OPERATING SYSTEM	Android 10

USER ENVIRONMENT

IP SEALING	IP67
TEMPERATURES & HUMIDITY	Operating Temperature: Battery in charging mode > 0°C to +45°C Battery in discharging mode > -20°C to +50°C Storage Temperature: -20°C to +50°C Humidity: 5% to 85% (non-condensing)
DROP SPECIFICATION	Multiple drops from 1.2m Compliant MIL-STD-810G

WIRELESS COMMUNICATIONS

BLUETOOTH	BT 5.1
WLAN	WiFi (2.4 GHz - 5 GHz) 802.11 a/b/g/n/ac
WWAN	GSM GPRS EDGE supported frequency bands: 850 - 900 - 1800 - 1900 MHz 3G supported frequency bands: UMTS B1 (2100) - B2 (1900) - B4 (1700) - B5 (850) - B8 (900) 4G supported frequency bands: LTE B1(2100) - B2(1900) - B3(1800) - B4(1700) B5(850) - B7(2600) - B8(900) - B17(700) - B20(800) - B26(850) - B28(700) - B38(2600) - B39(1900) - B41(2500) - B19(800)
INTEGRATED GPS	GPS A-GPS GLONASS BeiDou GALILEO

INTEGRATED RFID & IDENTIFICATION MODULES

SECURE ELEMENT	P73N2MP (NFC IC) SIM/USIM socket (SWP IF with NFC IC + ISO7816 IF with CPU)
FINGERPRINT	Integrated Biometrics FAP30 'Danno' Fingerprint <ul style="list-style-type: none"> • FBI Imager Certifications - PIV 071006 - FIPS201 - FAP30 Certified to Mobile ID requirements • Speed - Min frame rate > 10fps • Resolution - 500ppi Grayscale : 256 grayscale dynamic range • Image Size : 400x500 pixels • Supported Image Formats : RAW - JPEG2000 - BMP - PNG - WSQ (FBI-approved) • Quality Scoring : NFIQ v1 supported • Platen Size : 21.52 mm x 26.6 mm / 0.85" x 1.05" • Sensing Area : 20.32 mm x 25.4 mm / 0.8" x 1.0"
ANDROID NFC READER	NXP IC on board (NQ330 : PN553 + P73N2M0) Compliant with ISO14443 A/B and ISO15693
CONTACT CARD & SAM READER	Fully interoperable to read all types of e-ID documents Compliant with ISO 7816 1/2/3 (T=0 & T=1) Compliant with CAC - PIV - TWIC High performance smartcard interface supports up to 420kbps 1x SAM slot 1x Smartcard slot

REGULATIONS

CERTIFICATION	EU : certification CE Other country on demand
HS-CODE	8471300000