

access^{ER} product line



PHYSICAL CHARACTERISTICS

DIMENSIONS & WEIGHT	HF ASK	210 mm x 79 mm x 17.2/28 mm (L x W x D) 312 grams including battery
	HF LF BT HID-CK	210 mm x 79 mm x 17.2/28 mm (L x W x D) 310 grams including battery
	HF LF BT HID-RC	210 mm x 79 mm x 17.2/28 mm (L x W x D) 310 grams including battery
	HF NFC FAP30	210 mm x 79 mm x 17.2/28 mm (L x W x D) 317 grams including battery
	UHF CAEN	210 mm x 79 mm x 17.2/32 mm (L x W x D) 320 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 1 Microphone 1 Receiver 1 Power Key 1 Volume Key Up & Down 3 Programmable Keys 1 Gyroscope 1 e-Compass 1 Light Sensor 1 Accelerator	
BATTERY	3.85V 4000 mAh exchangeable battery Support QC3.0 Quick Charge	

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)
MODULE	Multiple fully integrated module options (details on reverse side) <ul style="list-style-type: none"> HF ASK Module (PARAGON ID UCM108) HF LF BT HID-CK Module (OMNIKEY 5127 CK-Mini) Integrated Biometrics FAP30 'Danno' Fingerprint Module <ul style="list-style-type: none"> HF LF BT HID-RC Module (OMNIKEY 5127CK Reader Core) - OPTIONAL NFC : NXP IC on board (NQ330 : PN553 + P73N2M0) Compliant with ISO14443 A/B and ISO15693 UHF CAEN RFID Module (Lepton3 RAIN RFID)

BARCODE READER

IMAGER	Imager 2D Honeywell N6603
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REGULATORY

HS CODE	8471300000
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HF ASK MODULE (PARAGON ID UCM108)

13.56 MHz | ISO 14443 A/B/B' | Felica | ISO18092 (NFC)

Supports up to 2 SAMs: ISO 7816 A,B,C, T=0, T=1, with PPS up to 1.2 Mb/s

HSP Innovatron Protocol | Compliant with the following cards:

- CTS256B | CTS512 | CTS512B | CTM512B | ST SR Family | THTF1064 | ST SRI | ST SRX | ST19 | ST23 | ST31 | ST25 (Excepted ST25TV)
- Calypso Rev 1 | Rev 2 | Rev 3 : CD97 | CT2000 | CD-light | GTML | GTML2 | TanGO | CD21 and/or CDS3
- MIFARE® 1K | 4K | Ultra Light (& EV1, C) | Mifare Plus Class3 | SmartMX | DESFire® 2K | 4K | 8K
- NXP | Atmel | Infineon | Sony Felica®
- STM ICAO | Java Card® | ITSO
- Gemalto Celego G1

Public Transport

Access Control

HF | LF | BT HID-CK MODULE (OMNIKEY 5127 CK-Mini)

- iCLASS, iCLASS SE/SR, iCLASS Seos
- MIFARE Classic, MIFARE DESFire 0.6, MIFARE DESFire EV1/EV2
- MIFARE Ultralight C, MIFARE Ultralight
- FeliCa (Idm) CEPAS (CAN)
- ISO 11443A/B, ISO15693
- NFC Tag (1,2,3,4,5)
- T=CL, SmartMx, Student ID in Apple Wallet
- HID Prox, Indala Prox, EM Prox, EM4100/4102/4200/4305/4450, AWID Prox
- Hitag 1.2.3, ASK, PSK, FSK

Access Control

INTEGRATED BIOMETRICS FAP30 'DANNO' FINGERPRINT MODULE

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"

Access Control

Mobile Identity

HF | LF | BT HID-RC MODULE (OMNIKEY 5127CK Reader Core)

READER CORE 5127CK USED WITH FINGERPRINT READER OPTIONS

- iCLASS, iCLASS SE/SR, iCLASS Seos
- MIFARE Classic, MIFARE DESFire 0.6, MIFARE DESFire EV1/EV2
- MIFARE Ultralight C, MIFARE Ultralight
- FeliCa (Idm) CEPAS (CAN)
- ISO 11443A/B, ISO15693
- NFC Tag (1,2,3,4,5)
- T=CL, SmartMx, Student ID in Apple Wallet
- HID Prox, Indala Prox, EM Prox, EM4100/4102/4200/4305/4450, AWID Prox
- Hitag 1.2.3, ASK, PSK, FSK

Access Control

CAEN RFID LEPTON3 RAIN RFID MODULE

- Frequency Range : 865.600-867.600 MHz (ETSI EN 302 208 v.3.3.1) 902-928 MHz (FCC part 15.247)
- RF Power : configurable from 10dBm to 25 dBm (from 10mW to 316mW) conducted power
- RX Sensitivity : -72 dBm - 10% per, assuming 20dB antenna RL @ 25 dBm output
- Number of channels :
 - 4 channels (compliant to ETSI EN 302208 v.3.3.1)
 - 50 hopping channels (compliant to FCC part 15.247)
- Standard Compliance : EPC Class 1 Gen 2 - ISO 18000-63

Asset Tracking