

# ID Platform FAP50 Swipe OCR with smartcard reader

P/N : IDP-FAP50-3A031021XX93



## PHYSICAL CHARACTERISTICS

<b>DIMENSIONS &amp; WEIGHT</b>	288 mm x 177 mm x 37 mm   1070 grams
<b>SCREEN</b>	7" TFT LCD   1280x800 HD   400 cd/m <sup>2</sup>   16.7M Colors   Touch/Panel Glass: 0.7mm Corning Glass GFF Sensor Type   Capacitive 5 Points Multi Touch   Possibility to add an Extra Tempered Glass Protection
<b>CAMERA</b>	8MP Fixed Focus Front Camera (IMX219)   13MP Auto Focus Rear Camera (OV13850)   Dual Flash Light
<b>BATTERY</b>	Battery life over 8 hours   1 x 12600 mAh   Removable battery   Robust 2.5mm   Power Jack socket for 12V / 2.5A charger
<b>EXTENSION AND COMMUNICATION PORTS</b>	USB type C for service port   USB type A host connector 2 Micro SIM/USIM slots (ISO7816)   1 Micro SD Slot
<b>AUDIO</b>	Audio Jack: Headset with Microphone   Bluetooth Headset Compatible   Loudspeaker 1W
<b>SENSORS</b>	Light Sensor   Magnetometer   G sensor   Gyroscope   Vibrator

## PERFORMANCE CHARACTERISTICS

<b>PROCESSOR</b>	Octa Core SDM450 @ 1.8 GHz
<b>MEMORY</b>	16 GB eMMC + 2 GB DDR3   MicroSD TFLASH: Up to 256 GB
<b>OPERATING SYSTEM</b>	Android 14 available Q2 2025

## USER ENVIRONMENT

<b>IP SEALING</b>	IP54 excluding smartcard reader (can be upgraded with a protective case to IP65 or even IP67)
<b>TEMPERATURES</b>	Operating Temperature: -20°C to +50°C
<b>DROP SPECIFICATION</b>	Multiple drops from 1.2m   Compliant MIL-STD-810G

## WIRELESS COMMUNICATIONS

<b>BLUETOOTH</b>	4.0 - Low Energy
<b>WLAN</b>	WiFi 802.11 a/b/g/n/ac - Direct - HotSpot
<b>WWAN</b>	2G supported frequency bands: GSM(850), EGSM(900), DCS(1800), PCS(1900) 3G supported frequency bands: WCDMA Band 1,2,5,8 4G supported frequencies bands: LTE-FDD Band 1, 3, 7, 20, 28 A&B LTE-TDD Band 40
<b>INTEGRATED GPS</b>	GPS   A-GPS   GLONASS   BeiDou (active antenna)

## IDENTIFICATION MODULE

<b>CONTACTLESS CARD READER</b>	NFC: NXP IC on board (PN80T:PN553 + P73N2M0) Compliant with ISO14443 A/B and ISO15693 With Secure Element - Read / Write mode - HEC - Card Emulation
<b>CONTACT CARD &amp; SAM READER</b>	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
<b>SECURE ELEMENT</b>	P73N2MP (NFC IC)   SIM/USIM socket (SWP IF with NFC IC + ISO7816 IF with CPU)
<b>OCR READER</b>	Compliant 9303 ICAO <ul style="list-style-type: none"> <li>Machine Readable Passports: 2 lines of 44 characters</li> <li>Machine Readable Visas: 2 lines of 44 characters, 2 lines of 36 characters</li> <li>Travel documents: 2 lines of 36 characters, 3 lines of 30 characters</li> </ul>

## BIOMETRICS READER

<b>FINGERPRINT SCANNER</b>	Integrated Biometrics "FIVE-0" (4-4-2)   Capacitive - LES technology (Light Emitting Sensor) Supported Image Formats WSQ (FBI-approved)   FBI PIV / FAP50 / FIPS 201 certified Active area: 81.28 mm x 50.80 mm   Resolution: 500 PPI
<b>IRIS SCANNER</b>	2.4MP Rear Camera (IMX132)   Dual IR LED (SFH4787S)

## REGULATORY

<b>CERTIFICATION</b>	EU: CE certification   Other Countries: on demand
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