

ID Platform FAP50 with smartcard reader

P/N : IDP-FAP50-3A031021XX90



PHYSICAL CHARACTERISTICS

DIMENSIONS & WEIGHT	288 mm x 147 mm x 25 mm 985 grams
SCREEN	7" TFT LCD 1280x800 HD 400 cd/m² 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
CAMERA	8MP Fixed Focus Front Camera (IMX219) 13MP Auto Focus Rear Camera (OV13850) Dual Flash Light
BATTERY	Battery life over 8 hours 1 x 12600 mAh Removable battery Robust 2.5mm Power Jack socket for 12V / 2.5A charger
EXTENSION AND COMMUNICATION PORTS	USB type C for service port USB type A host connector 2 Micro SIM/USIM slots (ISO7816) 1 Micro SD Slot
AUDIO	Audio Jack: Headset with Microphone Bluetooth Headset Compatible Loudspeaker 1W
SENSORS	Light Sensor Magnetometer G sensor Gyroscope Vibrator

PERFORMANCE CHARACTERISTICS

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

USER ENVIRONMENT

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

WIRELESS COMMUNICATIONS

BLUETOOTH	4.0 - Low Energy
WLAN	WiFi 802.11 a/b/g/n/ac - Direct - HotSpot
WWAN	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
INTEGRATED GPS	GPS A-GPS GLONASS BeiDou (active antenna)

IDENTIFICATION MODULE

CONTACTLESS CARD READER	NFC: NXP IC on board (PN80T:PN553 + P73N2M0) Compliant with ISO14443 A/B and ISO15693 With Secure Element - Read / Write mode - HEC - Card Emulation
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
SECURE ELEMENT	P73N2MP (NFC IC) SIM/USIM socket (SWP IF with NFC IC + ISO7816 IF with CPU)

BIOMETRICS READER

FINGERPRINT SCANNER	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
IRIS SCANNER	2.4MP Rear Camera (IMX132) Dual IR LED (SFH4787S)

REGULATORY

CERTIFICATION	EU: CE certification Other Countries: on demand
----------------------	---