## TECHNICAL SPECIFICATIONS



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P/N : IDP-FAP50-3A030021XX93

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PHYSICAL CHARA	CTERISTICS	
<b>DIMENSIONS &amp; WEIGHT</b>	288 mm x 177 mm x 37 mm   1000 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 CI	HARACTERISTICS	
PROCESSOR	Octa Core SDM450 @ 1.8 GHz	
MEMORY	16 GB eMMC + 2 GB DDR3   MicroSD TFLASH: Up to 256 GB	
OPERATING SYSTEM	Android 9	
USER ENVIRONME		
IP SEALING TEMPERATURES	IP54 excluding smartcard reader (can be upgraded with a protective case to IP65 or even IP67) Operating Temperature: -20°C to +50°C	
DROP SPECIFICATION	Multiple drops from 1.2m   Compliant MIL-STD-810G	
WIRELESS COMMU		
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 N	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	
SECURE ELEMENT	P73N2MP (NFC IC)   SIM/USIM socket (SWP IF with NFC IC + ISO7816 IF with CPU)	
OCR READER	Compliant 9303 ICAO • Machine Readable Passports: 2 lines of 44 characters • Machine Readable Visas: 2 lines of 44 characters, 2 lines of 36 characters • Travel documents: 2 lines of 36 characters, 3 lines of 30 characters	
BIOMETRICS REA	DER	
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	