ID Platform
FAP20 |Second Generation |

PHYSICAL CHARACTERISTICS

DIMENSIONS & WEIGHT	288 mm x 147 mm x 25 mm	785 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	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 9

USER ENVIRONMENT

IP SEALING	IP54 (The protection class against dust and water can be increased by a protective case to IP65 or even IP67)
TEMPERATURES	Operating Temperature: -20°C to +60°C	Storage Temperature: -30°C to +60°C	Humidity: 5 to 95% non-condensing

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
SECURE ELEMENT	P73N2MP (NFC IC)	SIM/USIM socket (SWP IF with NFC IC + ISO7816 IF with CPU)

BIOMETRICS READER

FINGERPRINT SCANNER	Suprema BM-Slim2	Optical Certified FBI PIV / FAP20	Active area: 15.24 mm x 20.32 mm	Resolution: 500 PPI
IRIS SCANNER	2.4MP Rear Camera (IMX132)	Dual IR LED (SFH4787S)

REGULATORY

CERTIFICATION	EU: CE certification	Other Countries: on demand