

TECHNICAL SPECIFICATIONS

Fusion-EX product line



Pictures for illustrative purposes only | Full configuration shown

PHYSICAL CHARACTERISTICS | FUSION

DIMENSIONS & WEIGHT	FUSION ONLY	164.15 mm x 75.5mm x 8.32 mm (LxWxD) 202.5 grams
	FUSION + CASE	182 mm x 180 mm x 20 mm (LxWxD) 675 grams including FUSION
SCREEN		6.56 in Aspect ratio: 20:9 90Hz refresh rate Peak brightness: 600 nits Resolution: HD+ (720 x 1612) 9H tempered glass screen protector - 2.5D - 0.3 mm thickness
CAMERA		Rear: 108 MP with Auto Focus & LED flash + 2 MP depth sensor Front: 50 MP fixed focus Smart EIS 3x lossless digital zoom Night mode AI HDR
COMMUNICATION PORTS		USB Type-C (USB 2.0) Hybrid slot: 3-in-2 uSIM / uSD eSIM support 6-pin Pogo Pins
SENSORS		Accelerometer (G-sensor) Ambient light sensor Proximity sensor Gyroscope Compass Side-mounted fingerprint sensor
AUDIO		3.5 mm headphone jack Low-latency Bluetooth audio Dual microphones
BATTERY		5000 mAh >80% capacity after 800 charge cycles 33W PD/QC fast charging

PERFORMANCE CHARACTERISTICS | FUSION

PROCESSOR	Qualcomm SM4450 (Snapdragon 4 Gen 2) Octa-core (2x2.2 GHz Cortex-A78, 6x2.0 GHz Cortex-A55)
MEMORY	6 GB or 8 GB RAM 128 GB or 256 GB internal storage MicroSD support up to 1 TB
OPERATING SYSTEM	Android 15 AER with up to 2 years of operating system updates Up to 5 years of security updates (2 years monthly, then 3 years quarterly)



USER ENVIRONMENT | FUSION

DUST & WATER	IP54
TEMPERATURES	Operating temperature: -15°C to 55°C Storage temperature: -30°C to 70°C
REPAIRABILITY	Score: 8.3 Gen 2 repairability with easy replacement of the display, rear cover, battery, and charging port

WIRELESS COMMUNICATIONS | FUSION

BLUETOOTH	BT 5.1
WLAN	802.11 a/b/g/n/ac/ax-ready
WWAN (5G)	GSM: 850, 900, 1800, 1900 UMTS-1, 2, 4, 5, 8 LTE: 1, 3, 5, 7, 8, 20, 28, 32, 38, 40, 41 (full) PC2: B/n41 (full), n78 5G NR sub6 FDD: n20, n28, n3, n1, n5, n7, n8 5G NR sub6 TDD: n26, n77, n78, n38 (PC3), n41, n40 (full) SRS: n41, n77, n78 1T4R 4*4MIMO: 1, 3, 7, 38, 40, 41, n78 Supports NSA + SA
INTEGRATED GPS	GPS A-GPS GLONASS BeiDou GALILEO
NFC	ISO14443 A/B ISO15693

IDENTIFICATION MODULES | CASE

MICROCHIP SMARTCARD & SAM READER	Capable of reading all types of secure identity documents Compatible with ISO 7816 1/2/3 (T=0 & T=1) Compatible with CAC-PIV-TWIC 1x SAM Slot 1x Smartcard Slot High-performance smart card interface supports up to 420kbps
ACCESS-IS OCR READER	Compatible with ICAO 9303 standard 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

BIOMETRIC SCANNERS | CASE

INTEGRATED BIOMETRICS FIVE-0 FAP50 FINGERPRINT SCANNER	FIVE-0 (4-4-2) Capacitive - LES (Light Emitting Sensor) Technology FBI PIV / FAP50 / FIPS 201 Certified Resolution: 500 PPI Active Area: 81.28 mm x 50.80 mm High-performance smart card interface supports up to 420 kbps
IRITECH IRIS BIOMETRIC SCANNER	8MP Infrared Camera IriAegis 26Q

AVAILABLE OPTIONS WITH PRODUCT REFERENCES

FUSION-EX-100001	Biometric case for Fusion BE - FAP50 Five-0
FUSION-EX-110001	Biometric case for Fusion BE - FAP50 Five-0 - MRZ
FUSION-EX-101001	Biometric case for Fusion BE - FAP50 Five-0 - IRIS
FUSION-EX-111001	Biometric case for Fusion BE - FAP50 Five-0 - IRIS - MRZ

REGULATIONS

CERTIFICATION	EU : certification CE Other countries available on request
MADE IN	France