



KATIM® R01

Tough outside, tougher inside.

ESSENTIAL SECURITY FEATURES AND CAPABILITIES

- Device and user keys stored and managed on in-built secure element, tamper protected secure Micro Controller Unit
- Customer defined and controlled trust roots
- Two-factor authentication with fingerprint and passcode
- Advanced, multi-level hardware tamper protection and detection
- Mechanical switch to turn on SHIELD MODE®, protecting user privacy by disabling microphones, cameras in the hardware, and Bluetooth, motion sensors, and location services in the software
- Recording devices automatically silenced when device is locked
- USB interface protection preventing malware and data theft
- Secure boot verifying integrity of hardware and software
- Roll back protection preventing use of older version of software components
- Runtime integrity protection of the system and user data
- Strong encryption of all the information stored on the device
- Unauthorised application installation and execution prevented
- App and certificate installation allowed only from trusted source via KATIM® Command Centre
- App sandboxing isolating apps from the system and other apps
- Custom permission framework and permission control per app
- Cryptographically protected remote attestation verifying legitimacy of the software
- Automatic device wipe triggered by hardware or software tamper
- Frequent software updates with patches for new known vulnerabilities
- KATIM® Command Centre to administer the device fleet, install apps, push security policies and software updates over-the-air, and remotely lock and wipe the device
- KATIM® secure apps suite available for strongly encrypted email, chat, voice and video communication, and secure handling of office documents



TECHNICAL SPECIFICATIONS

BODY	Rigid aluminium structure protecting the inner parts. Rear housing with super-tough technical thermoplastic re-enforced with glass fibre, and outer layer made of thermoplastic polyurethane to protect against wearing and chemicals to absorb energy of impacts.
DIMENSIONS & WEIGHT	Length: 154.7mm
	Width: 78mm
	Thickness: 15.1mm
	Weight: 275g
PROCESSOR	Qualcomm® Snapdragon™ 845
OPERATING SYSTEM	KATIM® OS (Hardened Android™)
DISPLAY	Size: 5.65"
	Resolution: 2160x1080 (Full HD+)
	Aspect ratio: 18:9
	Technology: LCD with capacitive touch
	Protection: Corning® Gorilla® glass 5 with laminated hard-coated plastic sheet
CAMERA	Rear camera: 12MP
	Dual-LED, dual-colour flash
	Front camera: 8MP
CELLULAR NETWORK	GSM, GPRS/EGPRS MSC (Class 12); Bands B2, B3, B5, B8
	WCDMA, HSDPA (Cat 24), DC-HSDPA, HSUPA (Cat 6); Bands B1, B2, B4, B5, B8 w/diversity
	LTE-FDD (Cat 11), Bands B1, B2, B3, B4, B5, B7, B8, B12, B17, B20, B25, B26, B28A
	LTE-TDD (Cat 11), Bands B38, B40
	SIM card reader: Nano dual-SIM (4FF)
CONNECTIVITY	Wi-Fi 802.11 a/b/g/n/ac, 2x2 MU-MIMO
	Bluetooth 5.0
	NFC
	USB 2.0 (Type-C)
LOCATION	Assisted GPS, Galileo, Glonass, Beidou
MEMORY	RAM: 4GB
	Mass memory: 128GB
SENSORS	Fingerprint sensor
	Gyroscope and accelerometer
	Magnetometer
	Ambient light and proximity sensor
	Barometer
	Temperature and humidity sensor
POWER AND BATTERY	Built in 5780mAh Lithium-polymer battery
	Qualcomm® Quick Charge™ technology
BUTTONS AND CONNECTORS	Combined lock & power button
	Volume buttons
	Push-to-Talk button
	SOS button
	SHIELD MODE® switch
	USB Type-C connector
RUGGED STANDARDS	MIL-STD 810G
	MIL-STD 461G
	IP68 rating
SECURE COMMUNICATION	KATIM® Messenger for secure chat, voice and video communication
APPLICATIONS SUITE	KATIM® Email for secure email
	SmartOffice for handling office documents
	KATIM® File Transfer for sending securely files from your personal phone to KATIM® Phone