

I. A6002 Tech Specs

Category	Specifications
Project	A6002
1. Basic parameters	
Dimensions	81.6mm ×162mm × 13mm
Weight	265 g
Color	Black
LCD	6" IPS LCD (Corning Gorilla 3) 720×1440 pixel, 500nits sunlight readable
Touch panel	Capacitive multi-touch
Camera	Rear: 20 megapixels with auto-focus and flash; Front: 5 megapixels
Adapter	QC3.0 fast charge
I/O Interface	12×back pins Pogo Pin UART/USB/CAN/DCIN/GPIO/USB2.0
Buttons	Power, Volume up/down, F1, F2 functional keys
Virtual Key	Back/Home/Manu
Ports	x2 Nano-SIM, Micro SDXC, up to 1TB storage Qualcomm® Quick Charge™ Type-C USB3.0
2. Performance parameters	
Processor	Qualcomm® Snapdragon SM6225, 4*A73 2.4GHz + 4*A53 1.9GHz 8 cores
Operating System	Android 13.0 and Android 15.0 GMS* in 2025.S2 (up to A18GMS based on Qualcomm feedback)
RAM and Storage	4GB / 64GB optional 8GB+128GB
3. Battery parameters	
Battery capacity	Standard 3.85V/5000mAh, 19.25Wh User-replacable
Battery type	Lithium-ion polymer battery
Battery life	500 charge cycles in 3 years, 10 hours of operation and 168 hours of standby.
4. Communication	
Cellular (WWAN)	Global(EU) GSM:GSM850/EGSM900/PCS1900/DCS1800 WCDMA:Band 1/2/5/8 FDD-LTE:Band 1/3/5/7/8/20/28 TDD-LTE:Band 38/40/41(2496-2690MHz)
Wireless LAN	2.4 GHz + 5 GHz, 802.11 b/g/n/ac/ax
Bluetooth	BT5.2
NFC	13.56 MHz ISO/IEC14443 ISO/IEC15693 MIFARE Felica Read distance: 3-5cm
Audio	Rear-facing speaker (8Ω, 1.5W x1), Microphone (Sensitivity: -32±2dB Output impedance 2.2kΩx1)
Positioning	GPS+GLONASS+BeiDou+Galileo
GPS	ublox M10 buildd-in
5. Environment	
Operating	-20 °C to 60 °C (-4 °F to 140 °F) MIL-STD-810G, Method 501.5/502.5 Procedure II
Storage	-30 °C to 70 °C (-22 °F to 158 °F) MIL-STD-810G, Method 501.5/502.5 Procedure I
Sand / Dust / Water	IP68 IEC 60529
Drop / Shock	26 drops from 1.2m (4 ft.) marble floor / 1.5m concrete floor (4.2 ft.) MIL-STD-810G, Method 516.6 Procedure IV
Vibration	MIL-STD-810G, Method 514.6 Procedures I & II
Humidity	0% ~ 95% (non-condensing) MIL-STD-810G, Method 507.5 Procedure II
Altitude	4,572 m (15,000 ft) MIL-STD-810G, Method 500.5 Procedure I
6. Sensors	
Gravity	Yes
Gyroscope	Yes
Accelerometer	Yes
Ambient light	Yes
Proximity	Yes
Geomagnetism	Yes
Baroreceptor	Yes
7. Certifications	
Standard	CE, FCC
Optional	ISED, RCM, UKCA, KC, PTCRB, GCF, Telec, BIS etc.

II. Optional Configuration

Items	Specifications
Spare battery	Standard 3.85V/5000mAh, 19.25Wh
Pen	Passive pen
Tactical vehicle mount	Metal/Plastic
RTK Ntrip UM960	Channels 1408 channels, based on NebulasIV Constellations BDS/GPS/GLONASS/Galileo/0zSS Frequencies BDS: B1, B2, B3, B1C, B2a, B2b GPS: L1 C/A, L1C, L2P (Y), L2C, L5 GLONASS: G1, G2, G31 Galileo: E1, E5a, E5b, E6. QZSS: L1, L2, L5 Positioning accuracy: 0.01M+1ppm CEP Cold start/Convergence time: 25s

UHF RFID	Output power range: 18-26 dBm; Receiving sensitivity< -70dBm; Read distance: 4-5 meters 902-928MHz/865-867MHz/840-845,920-925MHz
2D Barcode	Honeywell 6703 / Zebra 4710 / NLS-CM60 module Image Sensor: 640*480 CMOS Red light LED625±10nm 2D: PDF417/QR1,2, Micro/ECC200/ECC000,050,080,100,140/Hanxin code. 1D: Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey; GS1-DataBarTM(RSS), (RSS-14, RSS-Limited, RSS-Exp)



