

Zoomsmart A8004 Series Tech Specs

Category	Specifications
Project	Zoomsmart A8004
Basic parameters	
Dimensions	235mm ×146mm × 13mm (9.3" × 5.7" × 0.5")
Weight	630g (22.2 oz)
Color	Black
LCD	8" IPS LCD (Corning Gorilla 3) 1280×800 pixel, 700nits sunlight readable
Touch panel	Capacitive multi-touch
Camera	Rear: 13 megapixels with auto-focus and flash; Front: 5 megapixels
Adapter	5V/2A DC
I/O Interface	14*back pins Pogo Pin UART/USB/CAN/DCIN/GPIO/USB2.0
Buttons	Power, Home, Manu, Back, Volume up/down, F1, F2
Ports	x2 Nano-SIM, Micro SDXC, Qualcomm® Quick Charge™ Type-C
Performance parameters	
Processor	Qualcomm® Snapdragon SM4350 2×Kryo 460 Gold(A76) 2.0GHz + 6×Kryo 460 Silver(A55) 1.8GHz (A8004/A8004P)
Operating System	Android12GMS
RAM and Storage	6GB / 128GB
Battery parameters	
Battery capacity	Standard 3.8V/9000mAh, 34.2Wh. User-replacable
Battery type	Lithium-ion polymer battery
Battery life	8h (Volume: 50%, 250nits, Play 1080P HD videos)
Communication	
Cellular (WWAN)	GSM: 850 / 900 / 1800 / 1900 EVDO: BC0 WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 TDD-LTE: B34 / B38 / B39 / B40 / B41 FDD-LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B20 / B28 5G NR: N1 / N3 / N28 / N41 / N78 / N79
Wireless LAN	2.4 GHz + 5 GHz, 802.11 a/b/g/n/ac, WiFi 6-ready
Bluetooth	BT5.1
NFC	13.56 MHz
Audio	Rear-facing speaker, Microphone
Positioning	GPS/GLONASS/BeiDou/Galileo
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	IP67 IEC 60529
Drop / Shock	26 drops from 1.2 m (4 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
Sensors	
Gravity	Yes
Gyroscope	Yes
Accelerometer	Yes
Ambient light	Yes
Optional	
LCD	8" IPS LCD (Corning Gorilla 3) 1920×1200 pixel, 500nits sunlight readable
Rear Camera	16.0MP with auto-focus and flash
RAM	8GB
ROM	256GB
Fast charge	QC3.0
Battery	Standard 3.8V/8400mAh, 31.92Wh. User-replacable
Certifications	
Standard	CE, FCC
Optional	ISED, RCM, UKCA, KC, PTCRB, GCF etc.

Accessories

Items	Specifications
Spare battery	3.8V/9000mAh, 34.2Wh 3.8V/8400mAh, 31.92Wh (optional)
Battery charger dock	Input: 9V/3A; Output: 4.35V/1.5A; Compatibility A8003/A1003 series batteries
Hand strap	80.50×96.00mm(inner); 115×132mm(outer); 4×Screw hole: Φ2.1±0.05mm.
Shoulder strap	80.50×96.00mm(inner); 140×230mm(outer); 4×Screw hole: Φ2.1±0.05mm; Strap length: 3m (adjustable)
Pen	Active pen / Passive pen
Screen protection film	128.44mm × 204.53mm
Tactical vehicle mount	Metal/Plastic
Pole mount	Metal
RTK Ntrip	Ublox F9P external antenna Unicom UM980 Positioning accuracy: 0.01M+1ppm CEP GNSS bands: B1/B2/G1/G2/L1/L2/E1/E5 Cold start/Convergence time: 30s
UHF RFID	902-928MHz/865-867MHz/840-845,920-925MHz
2D scanner	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)
Centering Rod	Centering rod + Pole mount
Mushroom antenna	Mushroom antenna (including wires)







