

I. Zoomsmart A1002 Tech Specs

Category	Specifications
Project	W1002
1. Basic Parameters	
Dimensions	256mm × 187mm × 17mm (10.1" × 7.4" × 0.7")
Weight	950 g (33.5 oz)
Color	Black
LCD	10" IPS LCD 1920×1200 pixel, 500nits sunlight readable
Touch panel	Capacitive multi-touch
Camera	Rear: 8 megapixels with auto-focus and flash; Front: 5 megapixels
Adapter	15V/2A DC charger
I/O Interface	10×back pogo pin UART/USB/CAN/DCIN/GPIO; 24×bottom USB2.0/DCIN/GPIO/UART
Button	Power
Virtual keys	An, Windows, Back, Volume up/down, A1, A2, A3
Ports	x1 Nano-SIM, Micro SDXC, 1×USB TypeC, 2×USB TypeA 3.0&2.0, 1×HDMI, 1×3.5mm headphone jack.
2. Performance parameters	
Processor	Intel® Celeron® N3450/N4200 4*1.1GHz Turbo: 2.2GHz
Operating System	Windows 10 or Windows 11
RAM and Storage	4GB/64GB 8GB+256GB, 8GB+512GB optional
3. Battery parameters	
Battery capacity	11.4V/11700mAh, 44.46Wh. User-replacable
Battery type	Lithium-ion polymer battery
Battery life	12h running, 168h standby, 500 charging cycle in 3 years
4. Communication	
Cellular (WWAN)	GSM: 850 / 900 / 1800 / 1900 WCDMA: B1 / B5 / B8 / B9 TDD-LTE: B38 / B39 / B40 / B41 FDD-LTE: B1 / B2 / B3 / B4 / B5 / B6 / B7 / B8 / B20
Wireless LAN	802.11 ac/n/w, StPA, StPS, WMM, WFD, Wi-Fi Direct
Bluetooth	BT4.0 LE-Smart Ready-Intel
NFC	13.56 MHz
Audio	Rear-facing speaker, Microphone
Positioning	GPS/GLONASS/BeiDou/Galileo
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	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
6. Sensors	
Gravity	Yes
Gyroscope	Yes
Accelerometer	Yes
Ambient light	Yes
Fingerprint	Yes
7. Certifications	
Standard	CE, FCC
Optional	ISED, RCM, UKCA, KC, PTCRB, GCF etc.

II. Optional Configuration

Items	Specifications
Spare battery	11.4V/3900mAh, 44.46Wh
Battery charger dock	Input: 9V/3A; Output: 4.35V/1.5A; Compatibility A8003/A1003/A1002 series batteries
Full functions dock	1*RS-232, 2*USB TypeA, 1*RJ45, 1*Charging port
Hand strap	130×150mm(inner); 220×230mm(outer); 4×Screw hole: $\Phi 2.3 \pm 0.05$ mm.
Shoulder strap	130×150mm(inner); 220×230mm(outer); 4×Screw hole: $\Phi 2.3 \pm 0.05$ mm; Strap length: 3m (adjustable), screen cover.
Pen & protective film	Passive pen
Tactical vehicle mount	Metal/Plastic
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)

