

Zoomsmart A1002 Tech Specs

Category	Specifications
Project	Zoomsmart A1002
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 pogopin 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, 1×HDMI, 1×3.5mm headphone jack.
Performance parameters	
Processor	Intel® Celeron® N3450 4*1.1GHz Turbo: 2.2GHz
Operating System	Windows 10
RAM and Storage	4GB/64GB
Battery parameters	
Battery capacity	Standard 3.8V/11700mAh, 44.46Wh. 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 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 Dedicated u-blox NEO-M8N GNSS receiver Dedicated u-blox NEO-M8T GNSS receiver (optional) Dedicated u-blox NEO-M8U GNSS receiver (optional)
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
Fingerprint	Yes
Optional	
RAM	8GB
ROM	128GB / 256GB / 512GB
Certifications	
Standard	CE, FCC
Optional	ISED, RCM, UKCA, KC, PTCRB, GCF etc.

Accessories

Items	Specifications
Spare battery	3.8V/11700mAh, 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: Φ2.3±0.05mm.
Shoulder strap	130×150mm(inner); 220×230mm(outer); 4×Screw hole: Φ2.3±0.05mm; Strap length: 3m (adjustable), screen cover.
Pen	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-DataBar™(RSS), (RSS-14, RSS-Limited, RSS-Exp)



