

VES-L1003

10.1" Capacitive Touch Rugged Tablet

Features

- 10-Point Capacitive Touchscreen, G+G, Tempered Glass, Hardness 7H
- 10.1" Display, 1200 x 1920 Resolution, 1000 nits Brightness
- Qualcomm Kryo™ 670 CPU and the AI-Accelerated Qualcomm
- 10000mAh Lithium-ion Battery
- Android 14 OS, Paired with 8GB+128GB of Expansive Memory
- IP65, Operating Temp -20°C to +60°C

Appearance



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Revision Table

Date	Revision	Content	By
2025/8/20	0.1	First Draft	Zoe You

ACT POWER TAIWAN
Preliminary

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Specification

Basic Parameters	
Dimension	274.9 x 188.7 x 22.2mm
Weight	1020g
Device Color	Black
LCD	10.1" FHD 16:10
Resolution	1200x1920
Brightness	1000 nits
Touch Panel	10-Point Capacitive Touchscreen, Tempered Glass, G+G, Hardness: 7H
Camera	Front 5.0MP Rear 13.0MP Supports Autofocus, with Flashlight
Buttons	Power x 1 (Yellow) Volume + Key x 1 Volume - Key x 1 P1 Key x 1 (HOME Key) F Key x 1 (Barcode Scanning)
I/O	USB 3.0 Type-A x 1, Type-C (Data & Charging) x 1, Nano-SIM x 2/Micro SD Supports Up To 512GB x 1, Nano-SIM x 1 (Three-In-One Card Slot), RJ45 x 1, HDMI x 1, 12 PIN Pogo Pin x 1, Φ3.5mm Standard Earphone Jack x 1, DC Supports 5V/4A Charging x 1
Power	Power Input 100-240VAC 0.5A 50/60Hz DC Output 5V/4A
Speaker	Built in 8Ω/1W Waterproof Speaker x 2
Microphone	Sensitivity: -42db, Output Impedance 2.2kΩ
Sensors	G-Sensor, Light Sensor, Gyroscope, Compass
Fingerprint	Black Anodized Metal Frame, Dimensions: 34.75(L) x 29.77(W), Matte Black Finish

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Communication	
WiFi	Wi-Fi 6E & DBS, IEEE 802.11a/ b/ g/ n/ ac/ ax, Wi-Fi 2 x 2 MU-MIMO
Bluetooth	BTS5.2 (BLE)
2G/3G/4G/5G	5G:SA/ NSA: n1/ 3/ 5/ 7/ 8/ 20/ 28/ 38/ 40/ 41/ 77/ 78/79 4G: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 17/ 18/ 19/ 20/26/ 28/ 32/ 34/ 38/ 39/ 40/ 41/ 42 3G: B1/ 2/ 4/ 5/ 6/ 8/ 19 2G: B2/ 3/ 5/ 8
GNSS	Supports: GPS/GLONASS/BDS; Dual-Frequency L1 + L5
Performance Parameters	
CPU	Octa-Core 2.7G ARM
OS	Android 14/GMS
RAM	8GB LPDDR4x
ROM	128GB EMMC
Battery	
Capacity	3.8V/10000mAh
Type	Removable Polymer Lithium-ion Battery
Endurance	6 Hrs (Default 50% Volume, Connected to WiFi, Default 200 nits Brightness, Playing 1080P HD Video)
RTC	Built-In Rechargeable 3V/1mAh Lithium-ion Battery
Data Collection	
NFC	Built-In, 13.56MHz, Supports 14443A/14443B/15693 of ISO/IEC Card Reading Distance: 0-4 cm
2D	Optional, Optical Resolution: 5 mil Scanning Speed: 50 Times/s

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Certification	
Certifications	IP65 CE NB FCC (Optional) CCC (Optional) MIL-STD-810H CEC Battery: UN38.3, MSDS, Aviation and Maritime Report, IEC62133

Environment Compliance

Drop Height	1.22m
Rugged Feature	IP65 Certified, MIL-STD-810H Certified
Humidity	95% Non-Condensing
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C

Environmental performance may vary according to the integration method or final integration scenario.

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Deliverables

1	10.1" Capacitive Touch Rugged Tablet
2	Hand Strap (Standard)
3	Adapter
4	USB Cable

Ordering Information

Model Name	Description	Unit
VES-L1003	10.1" Capacitive Touch Rugged Tablet	1
Optional Accessories		
VES-L1003-DC	Docking Charger	1
VES-L1003-MDC	Quad-Charging Dock	1
VES-L1003-VM	Vehicle Mount	1
VES-L1003-CC	Car Charger	1

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