

VES-L1001

10.1" Vehicle Android Tablet

Features

- 10.1" Capacitive Touch Screen
- 10.1" Display, 1280 x 800, 1000nits
- Qualcomm Cortex Quad/ Octa core Processor
- 8-36VDC input
- 8000mAh Li-ion Battery
- Android 7.1.2 or Android 9
- IP67, operating temp -10°C to +65°C

Appearance



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Revision Table

Date	Revision	Content	By
2023/11/7	0.1	First Draft	Dennis

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Specification

Model	VES-L1001	VES-L1001-P
CPU	Qualcomm Cortex-A7 32-bit Quad-core Processor, 1.1GHz	Qualcomm Cortex-A53 64-bit Octa-core Processor, 1.8GHz
GPU	Adreno 304	Adreno 506
Operating System	Android 7.1.2	Android 9.0
RAM	2GB LPDDR3	4GB LPDDR3
Storage	16GB eMMC	16GB eMMC (64GB Optional)
Storage Expansion	Micro SD 64GB	Micro SD 128GB
LCD	10.1 inch, 1280 x 800	
Brightness	1000nits	
Touch Screen	Multi-points Capacitive Touch	
Camera (Optional)		Front: 5MP
	Rear 8MP with LED Light	Rear: 16 MP with LED Light
Bluetooth	4.2 BLE	
WLAN	IEEE 802.11 a/b/g/n, 2.4GHz/5GHz	IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz
Cellular	LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)	
GNSS	GPS/GLONASS	
NFC (Optional)	Read/ Write Mode: ISO / IEC 1443 A&B up to 848 kbit/s, FeliCa at 212 & 424 bit/s	
	MIFARE 1K, 4K, NFC Forum type 1,2,3,4,5 tags, ISO/IEC 15693 All peer-to-peer modes	
	Card Emulation Mode (from host): NFC Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s	Card Emulation Mode (from host): NTF Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s T3T FeliCa
Sound	Build-in speaker 2W, 85dB, Internal microphones	
Interfaces	Type-C, USB 2.0 (For data transfer, support OTG)	Type-C, USB 3.0 (For data transfer, support OTG)

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Specification

Model	VES-L1001	VES-L1001-P
Interfaces	Docking connector x 1 (24 pins)	
	Headset Jack	
1D/2D scanner (optional)	All major 1D barcodes, PDF417, QR code M1/M2/Micro and Data matrix etc.	
Fingerprint Reader (Optional)	Capacitive, Area sensor	
Sensors	Acceleration sensor, Gyroscope, Compass	
Power	DC8-36V (ISO 7637-II compliance)	
Battery	3.7V, 8000mAh Li-ion (Replaceable)	
Operating Time	5 hours (Typ.)	4.5 hours (Typ.)
	Battery charging time 4.5 hours	
Dimension	277 x 185 x 31.6mm	
Weight	1316g (2.90lb)	1357 (2.99lb)

Environment Compliance

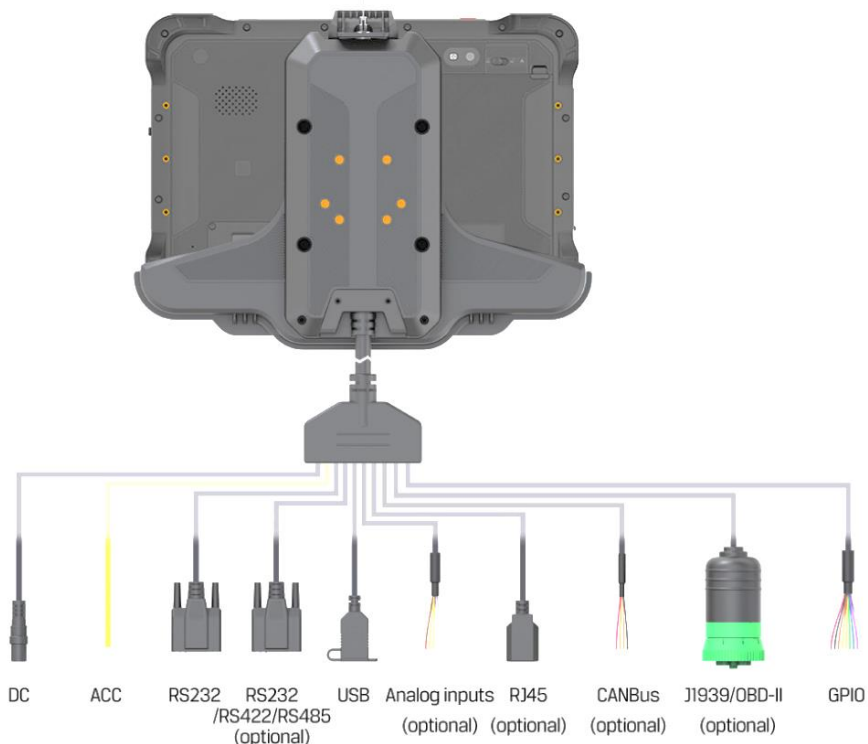
Gravity drop resistance	120cm
Vibration	MIL-STD-810G
IP Rating	IP67
Operating Temperature	-10°C to 65°C (Charging 0°C to 50°C)
Storage Temperature	-20°C to 70°C

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

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Docking Option



Cable Option

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Deliverables

1	10.1" Vehicle Android Tablet
2	Docking Station (Optional)
3	Allen Wrench, screws for RAM
4	USB to USB-C Cable
5	Power Adapter
6	J1939 female to open wire (Optional)
7	OBD-II female to open wire (Optional)
8	RAM 1.5" Double Ball Mount with Backing Plate (Optional)

Ordering Information

Model Name	Description	Unit
VES-L1001	10.1" Rugged Android Tablet, Allen Wrench, Screws for RAM, SIM card plug, USB to Type-C Cable, Standard Model	1
VES-L1001-P	10.1" Rugged Android Tablet, Allen Wrench, Screws for RAM, SIM card plug, USB to Type-C Cable, Pro Model	
	Optional Accessories	
VES-L1001-VD	Vehicle Docking	1
VES-L1001-J1	J1939 female to open wire	1
VES-L1001-OB	OBD-II female to open wire	1
VES-L1001-BM	RAM 1" Double Ball Mount with Backing Plate	1