



VM 1210A

12" Android Vehicle-Mount Computer



Highest Reliability in the Harshes Environment

VM 1210A rugged Android computer – ideal for warehouse, logistics, and fleet operations

The VM 1210A delivers high performance and rugged durability for companies running Android-based applications in demanding environments. Perfectly suited for warehouses, distribution centers, fleet management, and forklifts, it ensures smooth and reliable operation under the toughest conditions.

High-performance rugged Android computing

Powered by the ARM Genio 510 processor, the VM 1210A provides strong multitasking performance with its combination of Cortex-A78 and A55 cores. Its intuitive 12.1" PCAP touchscreen and wide range of connectivity options make it easy to use and integrate into your workflows. Built with an IP65-rated enclosure, fanless design, and extreme temperature tolerance, it delivers dependable operation in even the harshest settings.

Key Features

- ✓ ARM Genio 510 processor with 2x Cortex-A78 and 4x Cortex-A55 cores at 2.0GHz
- ✓ 12.1" XGA (1024 x 768) PCAP multi-touch display, glove/stylus-friendly
- ✓ Rugged IP65-rated design for dust and water resistance
- ✓ Operating temperature: -30°C to +60°C / -22°F to +140°F
- ✓ Wide 10–60V DC power input with ignition control
- ✓ Fanless cooling for silent, reliable operation
- ✓ Replaceable front and rear modules for easy maintenance
- ✓ Compatible with VESA mounting for flexible installation
- ✓ Optional 4G/LTE, GPS/GLONASS, and external antennas
- ✓ Optional 800 nits high-brightness display for sunlight readability

Highlights



Rugged reliability

IP65-rated, shock and vibration tested, and designed for extreme temperature ranges, ensuring maximum uptime in demanding environments.



Seamless integration

Versatile I/O ports, VESA mounting, and support for Android 13 (or Linux options) make it easy to deploy into your operation.



Low Total Cost of Ownership

Fanless design, modular components, and UPS battery provide a cost-effective and resilient solution.

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Base Unit

Processor	ARM Genio 510 (2x A78 @2.0GHz + 4x A55 @2.0GHz)
Memory	4GB LPDDR4
Storage	64GB onboard
Operating systems	Android 13

Display

Display	12.1" XGA (1024 x 768) PCAP touchscreen
Brightness	400 nits (800 nits optional)
View angles	89° (all directions)
Support	Glove and stylus support

Connectivity

Radio	Wi-Fi 6 with internal antenna BT 5.2 Bluetooth - WWAN via Sierra EM7595
GPS	Optional GPS/GLONASS with external antenna
Antennas	Optional 4G/LTE with external antenna

Interfaces

Ports	1x USB-C OTG, 1x USB 2.0 2x RS232/422/485 (default RS232) 1x Gigabit LAN 1x MicroSD slot 1x dual-nano SIM slot Optional CANBus
Speakers	Audio in/out or optional DIDO

Power Supply

Input	10–60V DC with ignition control
Power consumption	35W typical
UPS	UPS battery for 20 minutes backup

Environmental

Operating Temperatures	-22°F to +140°F
Storage Temperatures	-22°F to +140°F
Humidity	5–95% RH, non-condensing
Shock & vibration	MIL-STD-810H
Impact resistance	IK07
ESD	±8kV contact / ±12kV air
Ingress protection	IP65

Physical Characteristics

Dimensions	12 in (W) x 8.86 in (H) x 2.24 in (D)
Weight	5.51 lb

Accessories

Standard	1.8M Power Cable with Fuse Kit 0.15M Power Converter Cable DC Jack Power Cable 84W Adapter with power cable Quick Start Guide
Optional	5M Power Cable with Fuse Kit Stylus Kit + Screw 1.8 M RS232 Cable 2M IP65 LAN Cable GPS & LTE 5M Combo Antenna (VM9C) GPS & LTE Magnetic Combo Antenna (VM10S) GPS Antenna WWAN Antenna 2M Waterproof USB TypeA to A Cable Cable Clamp Kit COM Port + CANBus Cable COM Port + DIDO Cable