



VM 1210A

12" Android vehicle-mount computer



Highest reliability in the harshest environments

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

12.1" XGA (1024 x 768) PCAP touchscreen

Brightness: 400 nits (800 nits optional)

View angles: 89° (all directions)

Glove and stylus support

CONNECTIVITY

Wi-Fi 6 with internal antenna BT 5.2

Bluetooth - WWAN via Sierra EM7595

Optional 4G/LTE with external antenna

Optional GPS/GLONASS with external antenna

INTERFACES

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

POWER SUPPLY

10–60V DC with ignition control

Power consumption: 35W typical

UPS battery for 20 minutes backup

ENVIRONMENTAL

Operating temp: -22F to +140F

Storage temp: -22F to +140F

Humidity: 5–95% RH, non-condensing

Shock & vibration: MIL-STD-810H

Impact resistance: IK07

ESD: ±8kV contact / ±12kV air

Ingress protection: IP65

DIMENSIONS & WEIGHT

12 in (W) x 8.86 in (H) x 2.24 in (D)

Weight: 5.51 lbs

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