

FM12MG 12.1" Android Vehicle Mounted Computer with Genio 510 A78 + A55 CPU

Manufacturer part number: FM12MG | Android Vehicle Mounted Computers



Winmate FM12MG Android vehicle-mounted computer features a PCAP touchscreen, IP65 protection, and MIL-STD-810H durability for forklifts and industrial vehicles.

Display	
Size	12.1 inches
Type	Projected Capacitive Multi Touch
Resolution	1024x768
Panel Brightness	400 nits(Default), 800 (Optional)
Contrast Ratio	1000:1
View Angles	89,89,89,89
Touch Mode	Support Hand, Stylus, Glove Mode
System Specification	
Processor	ARM Genio 510 2 x A78 2.0GHz + 4 x A55 2.0GHz
Memory	4GB
Storage	Onboard 64 GB
Operating System	Android 13 (Default), Linux Yocto 5.10.104 with QT 5.15 (Optional), Linux Ubuntu 22.04 (Optional)
WLAN	Support with Internal Antenna (Default), Either one with External Antenna (Optional)
BT	Support
WWAN	4G/LTE with External Antenna (Optional)
GNSS	GPS/GLONASS with External Antenna (Optional)
Sensors	G-Sensor, Temp. Sensor
Camera	
Front Camera	2MP Camera
Mechanical	
Dimension	Tablet: 307 x 225 x 41 mm, Docking: 202 x 245 x 52 mm
Weight	2.5 kg
Mounting	RAM mount/ VESA mount
Cooling System	Fanless Design
IO Ports	
USB Port	1 x USB 2.0 Type C (OTG)(Tablet), 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)

Serial Port	2 x COM Port(Docking)
LAN	1 x Gigabit LAN port(Docking)
Audio	2 x Speaker(Docking), 1 x CANBus or 1 x Audio(Docking)
SD Card Slot	1 x Micro SD Card Slot(Tablet)
SIM Card Slot	1 x Dual-Nano SIM Card Slot(Tablet)
Indicator	3 x LED Indicator, (WLAN, UPS battery, Heater)
Docking Connector	SMA Connector(female) for external antenna WLAN (Default), SMA Connector(female) for external antenna GPS (Optional), SMA Connector(female) for external antenna WWAN (Optional)
Environment	
Operating Humidity	5% to 95% RH, Non-Condensing
Operating Temperature	-30 deg C to 60 deg C
Storage Temperature	-30 deg C to 60 deg C
Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I
IP rating	IP65
Impact	Support EN62262 IK07 Rating
ESD	Compliant with EN 61000-4-2,, Enhanced ESD to +/-8kV Direct & +/-15kV Air
Certification	
Certification	CE, FCC
Control	
Button	1 x Power Button, 5 x Function Button, (Programmable Function Key Configured by Winset)
Power	
Battery	7.6V UPS Battery (2S1P), Minimum 30 minutes
Power Rating	Docking: 10V-60V with ignition control , , Tablet: 12V DC In
Security Function	
SOTI MobiControl	SOTI MobiControl Compliance
Accessory	
Accessory	5M Power Cable with Fuse Kit, 0.3M USB Cable, 0.15M Power Converter Cable, DC Jack Power Cable, 84W Adapter with power cable, Cable Clamp Kit, WLAN Antenna x 2, Quick Start Guide, External Antenna Fixing Bracket, Dock + Latch Locking Key, Stylus Kit + Screw
Optional Accessory	1.8M RS232 Cable, 0.3M Audio Cable, 1.8M CAN BUS Cable, 1.8M CAN BUS Open Wire Cable, 2M IP65 LAN Cable, GPS & LTE 2M Combo Antenna(VM240), GPS & LTE 5M Combo Antenna (VM9C), Magnetic Combo Antenna (VM10S), WWAN Antenna, USB-C to HDMI Adapter