

FM14Q9

14" Android Vehicle Mounted Computer with Qualcomm® 6490



KEY FEATURES

- Qualcomm® 6490, OctaCore, up to 2.7GHz
- 14" 1920 x 1080 Panel with PCAP touchscreen
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
- Wide range -30°C to 60°C operating temperature

INTRODUCTION

Winmate FM Series Android Vehicle Mounted Computer (VMC) is a rugged and versatile solution designed for demanding industrial and logistics applications. Powered by Qualcomm® 6490 processors, it delivers reliable performance for forklift and fleet operations. Featuring an IP65-rated waterproof and dustproof design, a wide -30°C to 60°C operating temperature range, and a field-replaceable front panel to reduce service costs, the FM Series ensures durability and efficiency. Its built-in backup battery enables seamless dock-to-dock transitions, ensuring uninterrupted productivity.

SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1920x1080
Size	14.0 inches	Contrast Ratio	1200:1
Panel Brightness	700.0 nits	View Angles	89,89,89,89
Type	Projected Capacitive Multi Touch	Viewability	Anti-Glare touch treatment
Touch Mode	Support Stylus Mode		
System Specification			
Processor	Qualcomm® 6490, Octa-Core, up to 2.7GHz	Memory	8GB
Storage	128GB	Operating System	Android 15.0
WLAN	Support	BT	Support
WWAN	4G (Optional) 5G (Optional)	GNSS	GPS/GLONASS
Sensors	G-Sensor, Temp. Sensor		
Camera			
Front Camera	2MP Camera		
Mechanical			
Dimension	Tablet: 342 x 225 x 56.2 mm Docking: 202 x 245 x 52 mm	Weight	Tablet 1.8 kg (3.97 lbs) Docking 1.6 kg (3.53 lbs)
Mounting	RAM mount/ VESA mount	Cooling System	Fanless Design
IO Ports			
USB Port	1 x USB 3.0 Type C (Tablet)	Serial Port	2 x COM Port(Docking)

SD Card Slot	1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	SIM Card Slot	1 x Dual-Nano SIM Card Slot(Tablet)
Audio	1 x Micro SD Card Slot(Tablet) 2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	LAN	1 x Gigabit LAN port(Docking)
Indicator	3 x LED Indicator	Antenna connector	SMA Connector(female) for external antenna WLAN (Tablet) SMA Connector(female) for external antenna GPS (Docking) SMA Connector(female) for external WWAN/5G antenna (Optional)

Environment

Operating Humidity	5% to 95% RH, Non-Condensing	Operating Temperature	-30°C to 60°C
Storage Temperature	-30°C to 60°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 & ±12kV Air

Certification

Certification	CE, FCC
---------------	---------

Control

Button	1 x Power Button, 4 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
---------	---	--------------	---

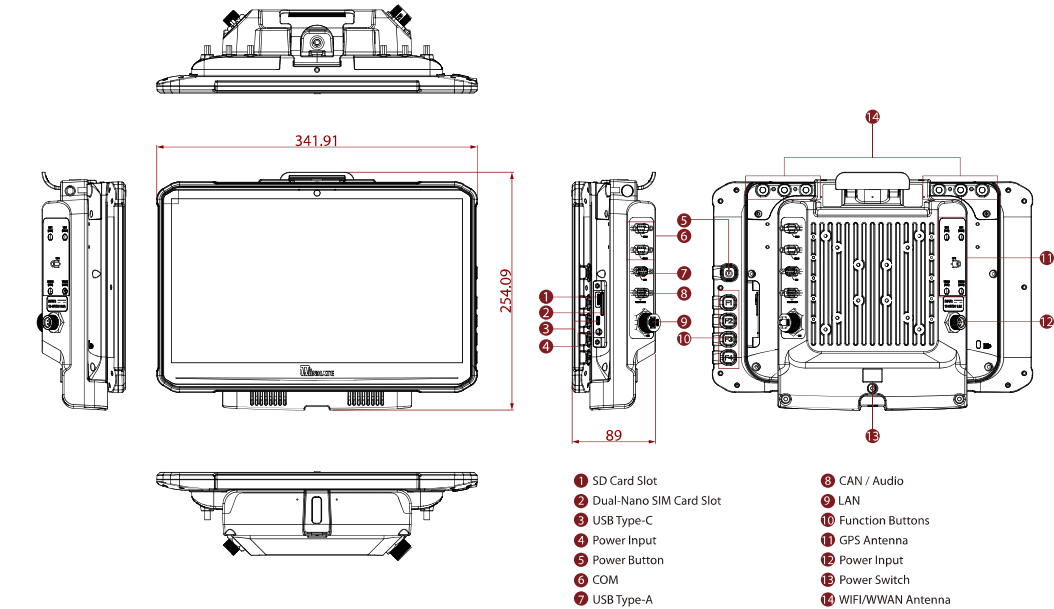
Security Function

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
-----------	---	--------------------	--

DIMENSIONS UNIT:MM



NOTE

- 1. This is a simplified drawing, and some components are not marked in detail.
- 2. Please contact our sales representative if you need further product information.
- 3. All specifications are subject to change without prior notice.
- 4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate sales team for more information.