FM12Q9

12.1-Zoll-Android-Fahrzeugcomputer mit Qualcomm® 6490



KEY FEATURES

- Qualcomm® 6490, Octa-Core, bis zu 2,7 GHz
- 12,1-Zoll-Display mit 1024 x 768 Pixeln und PCAP-Touch, Android-Computer für den Einbau in Fahrzeuge
- Vor Ort austauschbare Frontblende zur Senkung der Wartungskosten
- Wasser- und staubdichter Fahrzeugcomputer nach IP65
- Breiter Betriebstemperaturbereich von -30 °C bis 60 °C

INTRODUCTION

Der Android-Fahrzeugcomputer (VMC) der Winmate FM-Serie ist eine robuste und vielseitige Lösung, die für anspruchsvolle Industrie- und Logistikanwendungen entwickelt wurde. Angetrieben von Qualcomm® 6490-Prozessoren liefert er zuverlässige Leistung für den Einsatz in Gabelstaplern und Fuhrparks. Mit einem wasser- und staubdichten Design der Schutzklasse IP65, einem breiten Betriebstemperaturbereich von -30 °C bis 60 °C und einer vor Ort austauschbaren Frontblende zur Senkung der Wartungskosten gewährleistet die FM-Serie Langlebigkeit und Effizienz. Die integrierte Pufferbatterie ermöglicht nahtlose Übergänge von Dockingstation zu Dockingstation und sorgt so für unterbrechungsfreie Produktivität.

SPECIFICATIONS

Display

Type	Projected Capacitive Multi Touch	**Touch Mode**	Support Hand, Stylus, Glove Mode
Resolution	1024x768	**Size**	12.1 inches
Contrast Ratio	1000:1	**Panel Brightness**	400 nits(Default) 800 (Optional)
View Angles	89,89,89,89		

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: 307 x 225 x 41 mm Docking: 202 x 245 x 52 mm	**Weight**	Tablet 1.7 kg Docking 1.6 kg
Mounting	RAM mount/ VESA mount	**Cooling System**	Fanless Design
Docking Housing	Aluminum Alloy Housing		

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IO Ports

USB Port	1 x USB 3.0 Type C (Tablet) 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	**Serial Port**	2 x COM Port(Docking)
SD Card Slot	1 x Micro SD Card Slot(Tablet)	**SIM Card Slot**	1 x Dual-Nano SIM Card Slot(Tablet)
Audio	2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	**LAN**	1 x Gigabit LAN port(Docking)
Indicator	3 x LED Indicator (WLAN, UPS battery, Heater)	**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, 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

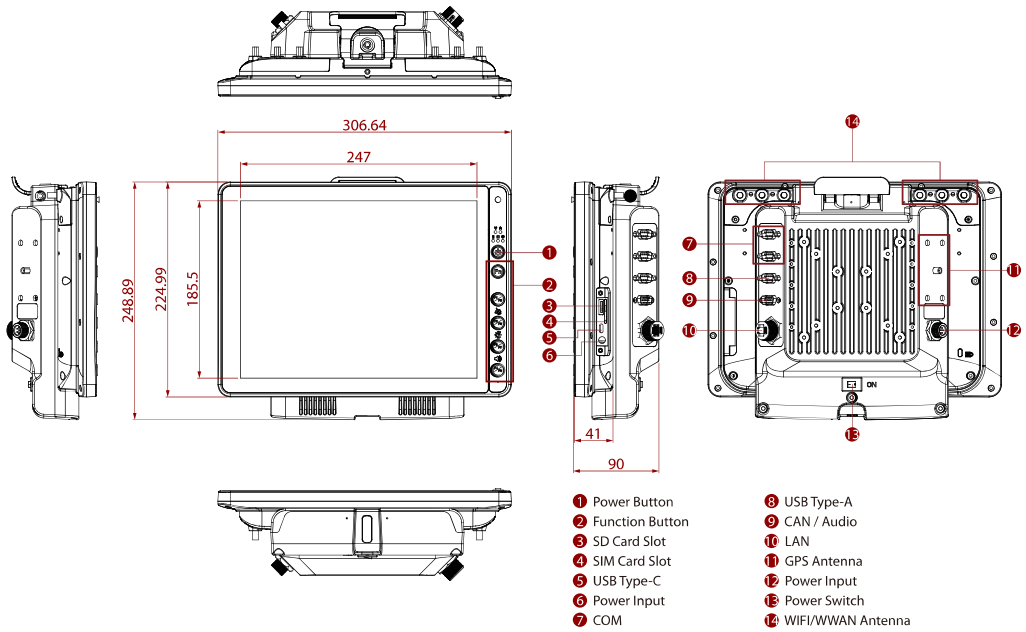
Security Function

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

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.

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