

# FM10Q

10.4" Android Forklift Mounted Computer with Qualcomm® Snapdragon™ 660



## KEY FEATURES

- Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz CPU Android forklift mounted computer
- 10.4"1024 x 768 Panel with PCAP touchscreen
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
- Wide range -30°C to 50°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 ARM Genio 510 and Qualcomm® Snapdragon™ 660 processors, it delivers reliable performance for forklift and fleet operations. Featuring an IP65-rated waterproof and dustproof design, a wide -30°C to 50°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

Resolution	1024x768	Size	10.4 inches
Contrast Ratio	1200:1	Panel Brightness	400 nits 800 nits(Optional)
View Angles	88,88,88,88	Type	Projected Capacitive Multi Touch
Touch Mode	Support Hand, Stylus, Glove Mode		

### System Specification

Processor	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)	Memory	3GB
Storage	32GB	Operating System	Android 9.0
WLAN	Support	BT	Support
WWAN	4G/LTE (Optional)	GNSS	GPS/GLONASS
Sensors	G-Sensor, Temp. Sensor		

### Camera

Front Camera	2MP Camera
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### Mechanical

Dimension	Tablet: 268 x 214 x 35 mm (10.6 x 8.42 x 1.37 inches) Docking: 202 x 245 x 52 mm (7.9 x 9.6 x 2.04 inches)	Weight	Tablet 1.6 kg (3.53 lbs) Docking 1.6 kg (3.53 lbs)
Mounting	RAM mount/ VESA mount	Cooling System	Fanless Design
Docking Housing	Aluminum Alloy Housing		

### IO Ports

USB Port	1 x USB 3.0 Type C (OTG)(Tablet)	Serial Port	2 x COM Port(Docking)
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<b>SD Card Slot</b>	1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	<b>SIM Card Slot</b>	1 x Dual-Nano SIM Card Slot(Tablet)
<b>Audio</b>	1 x Micro SD Card Slot(Tablet) 2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	<b>LAN</b>	1 x Gigabit LAN port(Docking)
<b>Indicator</b>	5 x LED Indicator (Wi-Fi, BT, UPS battery, Screen Blanking, Heater)	<b>Docking Connector</b>	SMA Connector(female) for external antenna WLAN SMA Connector(female) for external antenna GPS (Optional) SMA Connector(female) for external antenna WWAN (Optional)

## Environment

<b>Operating Humidity</b>	5% to 95% RH, Non-Condensing	<b>Operating Temperature</b>	-30°C to 60°C
<b>Storage Temperature</b>	-30°C to 60°C	<b>Shock</b>	MIL-STD-810H Method 516.8 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.8 Procedure I	<b>IP rating</b>	IP65
<b>Impact</b>	Support EN62262 IK07 Rating	<b>ESD</b>	Compliant with EN 61000-4-2, Enhanced ESD to ±8kV Direct & ±12kV Air

## Certification

<b>Certification</b>	CE, FCC
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## Control

<b>Button</b>	1 x Power Button, 6 x Function Button (Programmable Function Key Configured by Winset)
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## Power

<b>Battery</b>	7.6V UPS Battery (2S1P) Minimum 30 minutes	<b>Power Rating</b>	Docking: 10V-60V with ignition control Tablet: 12V DC In
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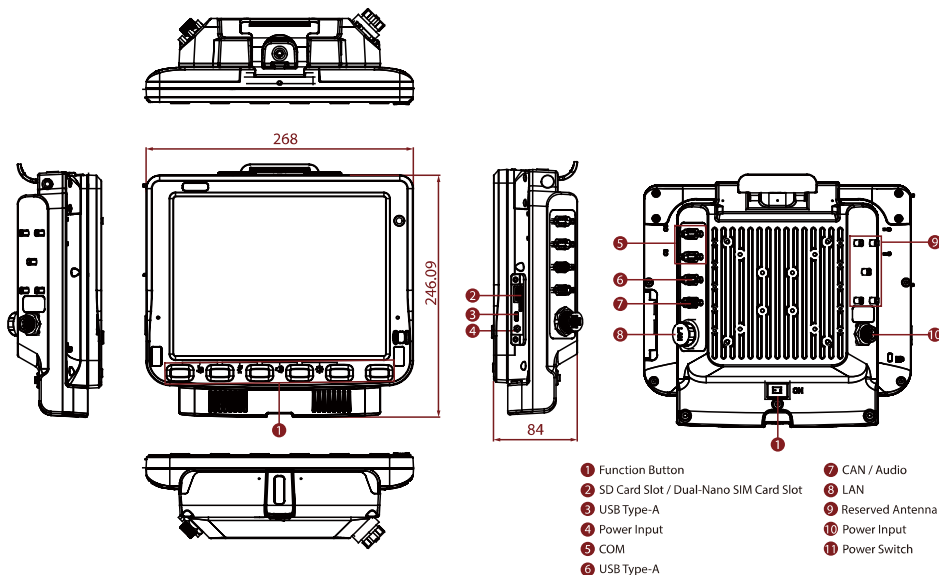
## Security Function

<b>SOTI MobiControl</b>	SOTI MobiControl Compliance
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## Accessory

<b>Accessory</b>	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 Wi-Fi Antenna x 2 Quick Start Guide External Antenna Fixing Bracket Dock + Latch Locking Key Stylus Kit + Screw	<b>Optional Accessory</b>	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
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## DIMENSIONS UNIT:MM



## NOTE

- Total usable memory will be less dependent upon actual system configuration.
- CANBus and audio are mutually exclusive.
- The heater is a customized feature available by request.
- SOTI is available upon request.
- Length measurements do not include protrusions. Weight varies with options.
- Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- Accessories may vary depending on your configuration.
- Two Wi-Fi antennas are included in the standard package.
- 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.
- Please order one bracket for one antenna. For example, if you plan to use two antennas, please order two brackets.
- Notice that only one antenna is included in the package. If you plan to use the WWAN function please order two WWAN antennas.
- This is a simplified drawing and some components are not marked in detail.
- COM port can supply 5V power via the 9th pin.