

# FM10Q-V

## 10.4" Android Forklift Computers with Qualcomm® Snapdragon™ 660



### KEY FEATURES

- Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz CPU, Android forklift computers
- 10.4" 1024 x 768 Panel with PCAP touchscreen
- IP65 waterproof and dustproof
- Wide power input 10-60V DC with ignition
- Wide range operating temperature
- Support VESA Mount



### OVERVIEW



#### High-Performance Qualcomm®; Snapdragon™; CPU

The Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz CPU platform delivers powerful computing performance while being power efficient. It includes long-term extended support to reduce maintenance and ensure the CPU platform's reliability for years to come.



#### 10.4" Compact Housing with Anti-scratch P-Cap Multi-touch Screen

Thanks to the compact form factor, vehicle operators maintain unobstructed line-of-sight during operations to increase efficiencies and minimize errors. The screen boasts P-Cap technology and anti-scratch properties to deliver an excellent multi-touch experience with better environmental resistance.



#### Vibration and shock-proof design ensure reliable performance

When it comes to industrial usage, a rugged device to survive harsh environments is a must. Its solid enclosure proves the FM10Q-V's durability with MIL-STD-810H certification and IP65 rating.



#### Built-in Backup Battery

The FM10Q-V contains a backup battery (minimum 30 minutes) that enables the device to be seamlessly swappable from one dock to another, keeping your tasks going on without interruption.



#### Rich I/O Ports

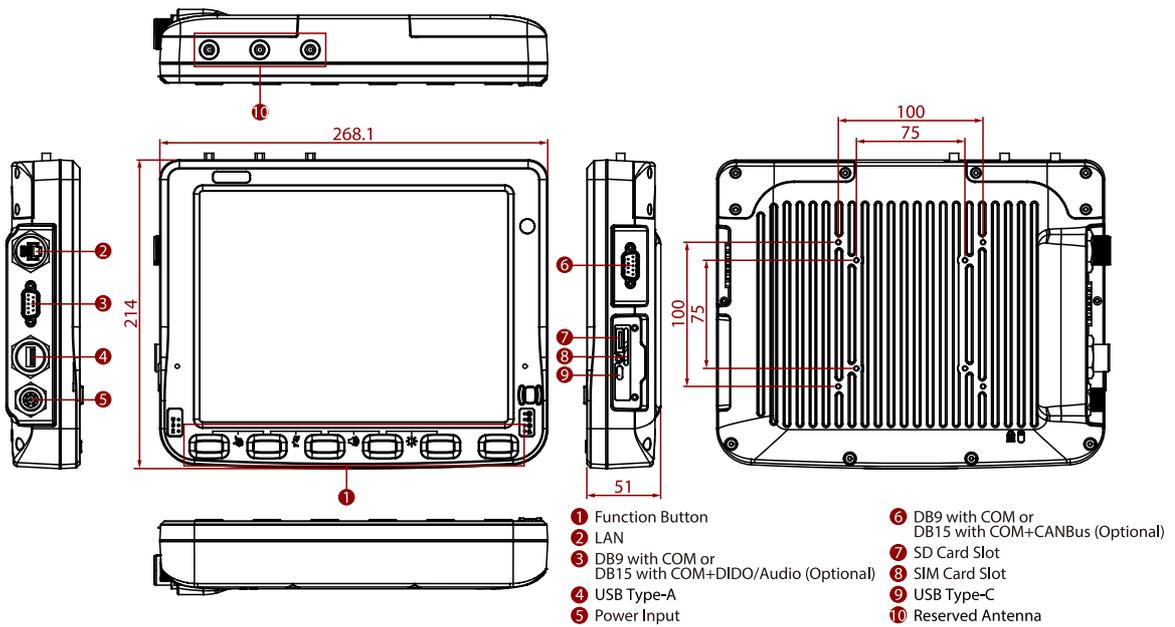
Ships with rich I/O interfaces to support multiple onboard peripherals, the FM10Q-V delivers a steady output, impressive extensibility, and maximum efficiency for either in-vehicle or field operations.

### SPECIFICATIONS

Display			
Resolution	1024x768	Size	10.4 inches
Contrast Ratio	1200:1	Panel Brightness	400 nits

<b>View Angles</b>	88,88,88,88	<b>Type</b>	800 nits(Optional) Projected Capacitive Multi Touch
<b>Touch Mode</b>	Support Hand, Stylus, Glove Mode		
<b>System Specification</b>			
<b>Processor</b>	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)	<b>Memory</b>	3GB
<b>Storage</b>	32GB	<b>Operating System</b>	Android 9.0
<b>WLAN</b>	Support	<b>BT</b>	Support
<b>WWAN</b>	4G/LTE (Optional)	<b>GNSS</b>	GPS/GLONASS (Optional)
<b>Sensors</b>	G-Sensor, Temp. Sensor		
<b>Camera</b>			
<b>Front Camera</b>	2MP Camera		
<b>Mechanical</b>			
<b>Dimension</b>	268 x 214 x 51 mm	<b>Weight</b>	2.4 kg
<b>Mounting</b>	VESA mount	<b>Cooling System</b>	Fanless Design
<b>IO Ports</b>			
<b>USB Port</b>	1 x USB 3.0 Type C (OTG) 1 x USB 2.0 Port	<b>Serial Port</b>	2 x RS232/422/485 (Default RS232)
<b>SD Card Slot</b>	1 x Micro SD Card Slot	<b>SIM Card Slot</b>	1 x Dual-Nano SIM Card Slot
<b>Audio</b>	1 x Audio(Mic in & Line Out) either one with DIDO (Optional)	<b>LAN</b>	1 x Gigabit LAN port PSE (IEEE 802.3at 30W) (Optional)
<b>Indicator</b>	5 x LED Indicator (Wi-Fi, BT, UPS battery, Screen Blanking, Heater)	<b>DIDO</b>	1 x DIDO (2XDI ; 2XDO) either one with Audio (Optional)
<b>CANBUS</b>	1 x CANBus (Optional)		
<b>Environment</b>			
<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
<b>Certification</b>			
<b>Certification</b>	CE, FCC		
<b>Control</b>			
<b>Button</b>	1 x Power Button, 6 x Function Button (Programmable Function Key Configured by Winset)		
<b>Power</b>			
<b>Battery</b>	400mAh UPS Battery for 20 minutes backup (Optional)	<b>Power Rating</b>	10V~60V with ignition control
<b>Consumption</b>	35W (Typical)		
<b>Security Function</b>			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance		
<b>Accessory</b>			
<b>Accessory</b>	1.8M Power Cable with Fuse Kit 0.15M Power Converter Cable DC Jack Power Cable 84W Adapter with power cable Quick Start Guide	<b>Optional Accessory</b>	5M Power Cable with Fuse Kit Stylus Kit + Screw 1.8M 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 Type-A to A Cable Cable Clamp Kit COM Port + CANBus Cable COM Port + DIDO Cable

**DIMENSIONS** UNIT:MM



- 1 Function Button
- 2 LAN
- 3 DB9 with COM or DB15 with COM+DIDO/Audio (Optional)
- 4 USB Type-A
- 5 Power Input
- 6 DB9 with COM or DB15 with COM+CANBus (Optional)
- 7 SD Card Slot
- 8 SIM Card Slot
- 9 USB Type-C
- 10 Reserved Antenna

**NOTE**

1. Total usable memory will be less dependent upon actual system configuration.
2. CANBus and audio are mutually exclusive.
3. The heater is a customized feature available by request.
4. SOTI is available upon request.
5. Length measurements do not include protrusions. Weight varies with options.
6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
7. Accessories may vary depending on your configuration.
8. Two Wi-Fi antennas are included in the standard package.
9. 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.
10. Please order one bracket for one antenna. For example, if you plan to use two antennas, please order two brackets.
11. Notice that only one antenna is included in the package. If you plan to use the WWAN function please order two WWAN antennas.
12. This is a simplified drawing and some components are not marked in detail.
13. The UPS battery is only expected to use for backup under low system loading and without I/O function.
14. COM port can supply 5V power via the 9th pin.