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 -30ºC to 50ºC operating temperature

CE FC IP65 COMPLIANT MIL-STD 810G

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.

Magnesium Aluminum-Alloy Housing with MIL-STD-810G Vibration & Shock Resistant and IP65 Water & Dust Proof

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

Built-in Backup Battery

The FM10Q 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 delivers a steady output, impressive extensibility, and maximum efficiency for either in-vehicle or field operations.
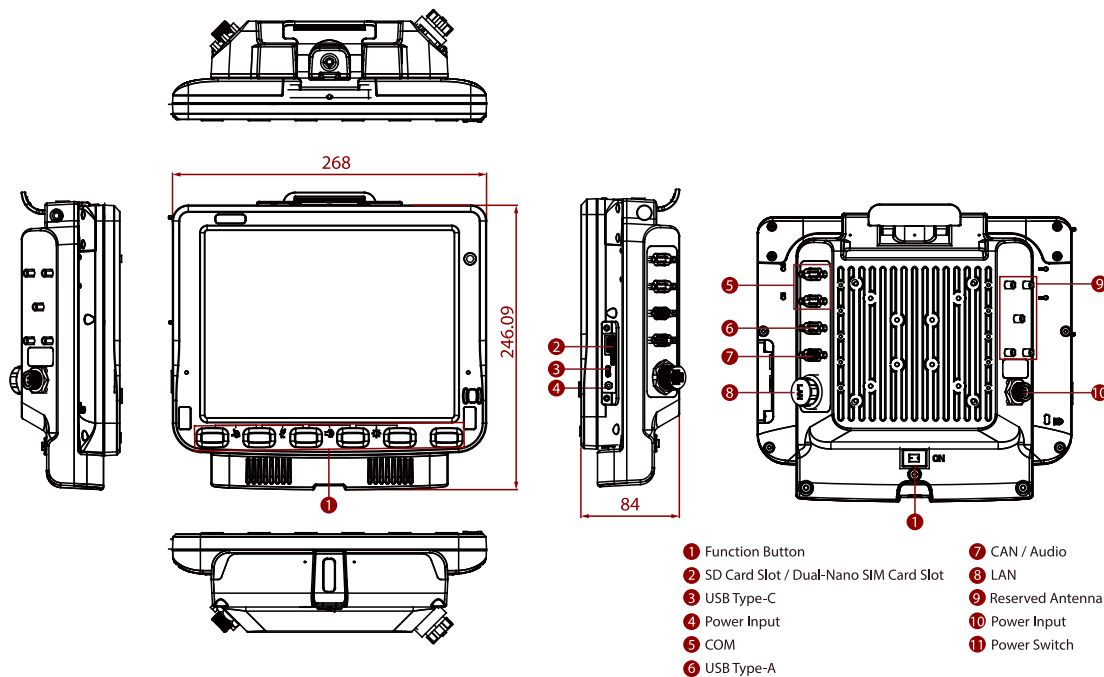
SPECIFICATIONS

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

			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

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) 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	5 x LED Indicator (Wi-Fi, BT, UPS battery, Screen Blanking, Heater)	**Docking Connector**	SMA Connector(female) for external antenna WLAN 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°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, 6 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 Wi-Fi 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 HDMI Adapter

DIMENSIONS UNIT:MM

268

246.09

84

1 Function Button
2 SD Card Slot / Dual-Nano SIM Card Slot
3 USB Type-C
4 Power Input
5 COM
6 USB Type-A
7 CAN / Audio
8 LAN
9 Reserved Antenna
10 Power Input
11 Power Switch

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. COM port can supply 5V power via the 9th pin.