# M900Q8

## 8" Qualcomm® Snapdragon™ 660 Rugged Tablet PC

### KEY FEATURES

- Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)
- 8" daylight readable panel with direct optical bonding
- Optional D-sub for vehicle gateway connection
- IP65 waterproof and dustproof
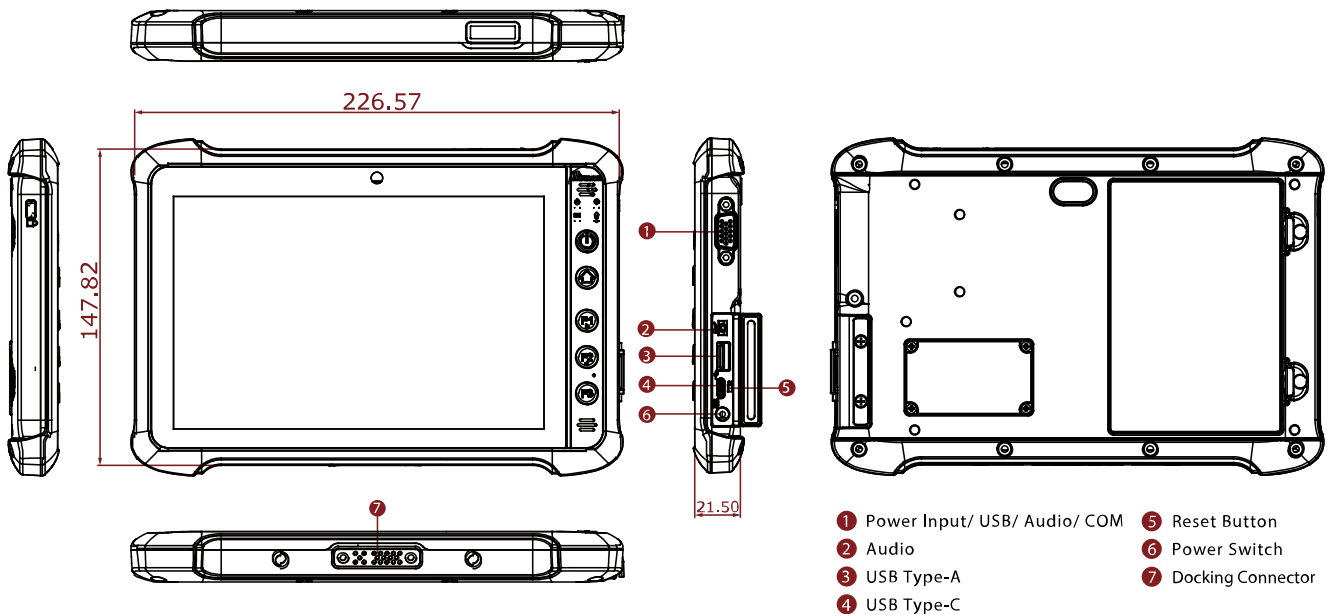- Built-in NFC Module
- Integrated 1D/2D Barcode Reader (Optional)

CE FC

## SPECIFICATIONS

### Display

| | | | |
|---|---|---|---|
| **Resolution** | 1280x800 | **Size** | 8.0 inches |
| **Contrast Ratio** | 800:1 | **Panel Brightness** | 510 nits |
| **View Angles** | 85/85/85/85 | **Type** | Projected Capacitive Multi Touch |
| **Touch Mode** | Support Hand / Gloves and Rain Mode | **Bonding** | Optical Bonding for Sunlight Viewability |

### System Specification

| | | | |
|---|---|---|---|
| **Processor** | Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz) | **Memory** | 3GB |
| **Storage** | 32GB | **Operating System** | Android 9.0 |
| **WLAN** | 802.11 a/b/g/n/ac mode | **BT** | BT Support |
| **WWAN** | 4G/LTE (Optional) | **GNSS** | GPS/AGPS |
| **RFID** | Default NFC (Read / Write, Peer to Peer mode) | **Sensors** | Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors, Automatic Screen Rotation |

### Camera

| | | | |
|---|---|---|---|
| **Front Camera** | 8MP Camera | **Rear Camera** | 13MP Camera with LED Auxiliary Light (Auto Focus) |

### Mechanical

| | | | |
|---|---|---|---|
| **Dimension** | 226.57 x 147.82 x 21.5 mm | **Weight** | 900g |

### IO Ports

| | | | |
|---|---|---|---|
| **USB Port** | 1 x USB 2.0 Type A<br>1 x USB 3.0 Type C OTG | **SD Card Slot** | 1 x Micro SD Card Slot |
| **SIM Card Slot** | 1 x SIM Card Slot | **Audio** | 1 x Audio Combo connector (Mic in or Line Out)<br>1 x Built-in Mic<br>1 x Speaker |
| **Expansion Port** | 1 x 15-pin D-Sub Connector for Power Input, USB 2.0,Audio Out, and Tx/ Rx | **Indicator** | 2 x LED Indicators<br>(Power, Charging) |
| **Docking Connector** | 1 x Docking Connector | | |

### Environment

| | | | |
|---|---|---|---|
| **Operating Humidity** | 10% to 90% RH, Non-Condensing | **Operating Temperature** | -10°C to 50°C (Battery mode) |
| **Storage Temperature** | -30°C to 70°C | **Shock** | MIL-STD-810G Method 516.6 Procedure I |
| **Vibration** | MIL-STD-810G Method 514.6 Procedure I | **IP rating** | IP65 Certified, Waterproof and Dustproof |

| Drop | MIL-STD-810G Method 516.6, 5 ft | | |
|---|---|---|---|
| **Control** | | | |
| **Button** | 1 x Power Button, 1 x Home Button, 3 x Function button | | |
| **Power** | | | |
| **Battery** | 7.6V 4200 mAh | **Battery Operating Time** | 10Hr |
| **Power Rating** | 19V | **Adapter** | 19V 3.42A Adapter |
| **Accessory** | | | |
| **Accessory** | Adapter and Power Cord Standard Battery Pack | **Optional Accessory** | Desk Dock Vehicle Gateway Vehicle Cradle Vehicle Charger Battery Charger Hand Strap Capacitive Stylus |
| **Barcode Scanner** | | | |
| **Barcode Scanner** | 1D/2D Barcode Reader (Optional) | | |

## DIMENSIONS  UNIT:MM

226.57

147.82

21.50

① Power Input/ USB/ Audio/ COM  ⑤ Reset Button
② Audio  ⑥ Power Switch
③ USB Type-A  ⑦ Docking Connector
④ USB Type-C

## NOTE

1. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
2. Total usable memory will be less dependent upon actual system configuration.
3. Barcode Reader and NFC Scanner are mutually exclusive options.
4. Length measurements do not include protrusions. Weight varies with options.
5. Accessories and Integrated options may vary depending on your configuration.
6. This is a simplified drawing and some components are not marked in detail.
7. 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.