

# M700DQ8-EX

7-inch Qualcomm® Snapdragon™ 660, ATEX Rugged Android PDA



## KEY FEATURES

- Qualcomm® Snapdragon™ 660, Octa-core up to 2.2 GHz , ATEX rugged android PDA
- 7 inch android tablet, 1280 x 720 TFT Panel with direct optical bonding
- Supports Android 9.0 OS, Sunlight readable android tablet
- IP65 waterproof and dustproof
- Rated for extreme temperature use
- ATEX Zone 2 application certification

## INTRODUCTION

The Winmate ATEX Rugged Tablet Series is made for dangerous and explosive places. It provides reliable performance and supports different operating systems, like Windows and Android. Featuring sunlight-readable displays with direct optical bonding, IP65-rated protection, and MIL-STD compliance, these tablets ensure durability and usability in challenging conditions. Certified for Class I Division 2 (CID2) and ATEX/IECEx Zone 2, they enable seamless cross-zone operations. Hot-swappable batteries and versatile connectivity enhance productivity across industrial and field applications.

## SPECIFICATIONS

### Display

Resolution	1280x720	Size	7.0 inches
Contrast Ratio	800:1	Panel Brightness	650 nits
View Angles	80,80,80,80	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	Support	BT	Support
WWAN	4G/LTE (Optional)	GNSS	GPS/GLONASS
RFID	NFC (Read / Write, Peer to Peer mode) (Optional)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors

### Camera

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

### Mechanical

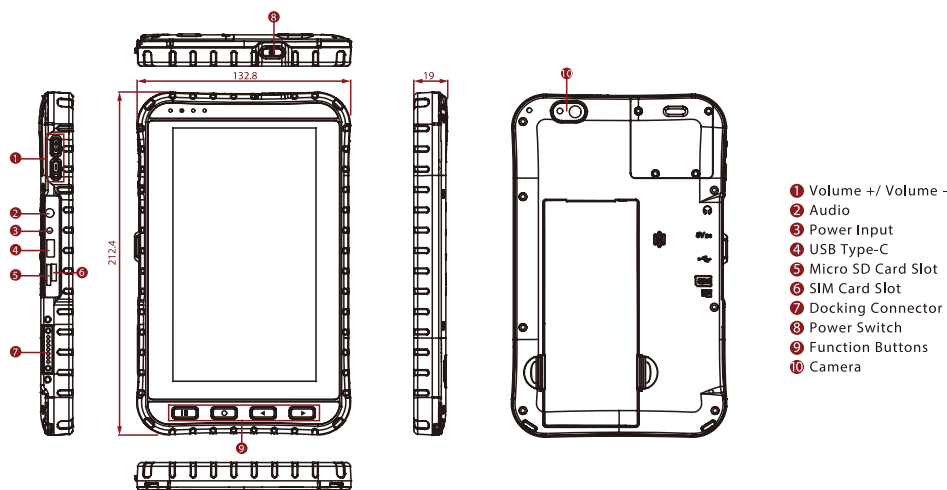
Dimension	212.4 x 132.8 x 19 mm	Weight	550g
-----------	-----------------------	--------	------

### IO Ports

USB Port	1 x USB 3.0 Type C OTG	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x Micro SIM Card Slot	Audio	1 x Audio Combo connector (Mic in and Line Out) 2 x Built-in Mic 1 x Speaker 1 x Earphone

<b>Indicator</b>	2 x LED Indicators (Power, Battery)	<b>Docking Connector</b>	1 x Docking Connector
<b>Environment</b>			
<b>Operating Humidity</b>	5% to 95% RH, Non-Condensing	<b>Operating Temperature</b>	-10°C to 50°C (Battery mode) -20°C to 60°C (Charging mode) Please avoid charging in hazardous locations.
<b>Storage Temperature</b>	-30°C to 70°C	<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I	<b>IP rating</b>	IP65
<b>Drop</b>	MIL-STD-810G Method 516.6, 5 ft		
<b>Certification</b>			
<b>Certification</b>	CE, FCC ATEX Zone 2 EX II 3 G Ex ic IIC Gc		
<b>Control</b>			
<b>Button</b>	1 x Volume + , 1 x Volume - , 1 x Power Button, 1 x Home Button, 1 x Menu Button, 1 x Return Button, 1 x Trigger Button		
<b>Power</b>			
<b>Battery</b>	3.7V 5300mAh	<b>Battery Operating Time</b>	20Hr
<b>Power Rating</b>	DC 5V	<b>Adapter</b>	Input: 100V-240V AC Output: DC 5V 3A
<b>Security Function</b>			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance		
<b>Accessory</b>			
<b>Accessory</b>	Universal Adapter x1 Battery x1 USB Type-C Cable x1	<b>Optional Accessory</b>	Battery Charging Dock Vehicle Dock (Charging + Connectors) Vehicle Dock (Charging Only) Desk Dock Hand Strap Micro SD Card Capacitive Touch Stylus Vehicle Adapter HDMI Adapter
<b>Barcode Scanner</b>			

## DIMENSIONS UNIT:MM



## NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. SOTI is available upon request.
3. Length measurements do not include protrusions.
4. The drop test with a high-capacity battery must come with a hand strap.
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. Accessories and integrated options may vary depending on your configuration.
7. This is a simplified drawing and some components are not marked in detail.
8. 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.