# **E500QK**

# 5" Qualcomm® Snapdragon™ 660 Android 9.0 Rugged Handheld Computer



#### **KEY FEATURES**

- Qualcomm® Snapdragon™ 660 (Octa-core 2.2 GHz), Android 9.0 Rugged Handheld Computer
- 5" 1280 x 720 Panel with direct optical bonding
- IP67 waterproof and dustproof
- 8MP Front Camera / 13MP Rear Camera
- With 19 keypad include power key





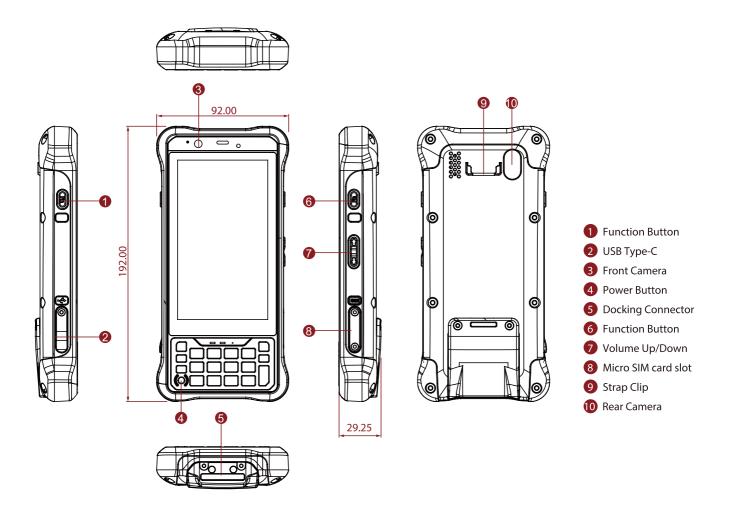


## **SPECIFICATIONS**

Contrast Ratio 800:1 Panel Brightness 500 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 GHz)  Storage 32GB Operating System Android 9.0  WLAN Support BT Support BT Support GN Send / Wile, Peer to Peer mode) (Optional) Sensors Android 9.0  WLAN 4G/LTE (Optional) Sensors GPS/GLONASS  RFID NFC (Read / Write, Peer to Peer mode) (Optional) Sensors Android Sensors  Front Camera  Front Camera MMP Camera Rear Camera 13MP Camera with LED Auxiliary Light (Auto Focus)  Mechanical  Dimension 192 x 92 x 29.25 mm Weight 370g  IO Ports  USB Port 1 x USB 3.0 Type C OTG (support charging)  Audio 1 x Speaker Docking Connector  Environment  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Pemperature  Vibration MIL-STD-810G Method 516.6, 5 ft  To provide the support of the following the	Display						
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 Memory         3GB           Storage         22GB         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         13MP Camera with LED Auxiliary Light (Auto Focus)           Mechanical           Dimension         192 x 92 x 29.25 mm         Weight         370g           IO Ports           USB Port         1 x USB 3.0 Type C OTG (support charging)         SD Card Slot         1 x Internal non-accessible Micro SD Card Slot (support charging)         1 x Built-in Mic 1 x Speaker         1 x LED Indicator         <	Resolution	1280x720	Size	5 inches			
Touch Mode         Support Hand / Gloves and Rain Mode         Bonding         Optical Bonding for Sunlight Viewability           System Specification         Processor         Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 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           *** MP Camera         13MP Camera with LED Auxiliary Light (Auto Focus)           Mechanical           *** Weight         370g           IO Ports           USB Port         1 x USB 3.0 Type C OTG (support charging)         SD Card Slot         1 x Internal non-accessible Micro SD Card Slot (support charging)           Audio         1 x Sull-Lin Mic 1 x Speaker         1 x LED Indicator         1 x LED Indicator           1 x Docking C	Contrast Ratio	800:1	Panel Brightness	500 nits			
System Specification           Processor         Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)         Memory GHz)         3GB           Storage         32GB         Operating System         Android 9.0           WLAN         Support         BT         Support           WWAN         4 G/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         13MP Camera with LED Auxiliary Light (Auto Focus)           Mechanical           Dimension         192 x 92 x 29.25 mm         Weight         370g           IOP Ports           USB Port         1 x USB 3.0 Type C OTG (support charging)         SD Card Slot         1 x Internal non-accessible Micro SD Card Slot (support charging)           Audio         1 x Sulli-in Mic 1 x Speaker         Indicator         1 x LED Indicator           Docking Connector         1 x Docking Connector         Indicator         1 x LED Indicator           Environment           Operating Humidity         5% to 95% RH, Non-Condensing         Operating Humidity (mic 2)	View Angles	80,80,80,80	Туре	Projected Capacitive Multi Touch			
Processor GHz) GHz) 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 192 x 92 x 29.25 mm Weight 370g  IO Ports  USB Port 1 x USB 3.0 Type C OTG (support charging) Indicator 1 x LED Indicator 1 x Speaker  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Operating Temperature  Storage Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP67  Drop  MIL-STD-810G Method 516.6, 5 ft	Touch Mode	Support Hand / Gloves and Rain Mode	Bonding	Optical Bonding for Sunlight Viewability			
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 192 x 92 x 29.25 mm Weight 370g  IO Ports  USB Port 1 x USB 3.0 Type C OTG (support charging) Audio 1 x Speaker  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Personal Properation Shock MIL-STD-810G Method 514.6 Procedure I Prating MIL-STD-810G Method 516.6, 5 ft  Drop MIL-STD-810G Method 516.6, 5 ft	System Specification						
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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 192 x 92 x 29.25 mm Weight 370g  IO Ports  USB Port 1 x USB 3.0 Type C OTG (support charging)  Audio 1 x Built-in Mic 1 x Speaker  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Temperature  Storage Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP67  Drop MIL-STD-810G Method 516.6, 5 ft	Storage	32GB	Operating System	Android 9.0			
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USB Port 1 x USB 3.0 Type C OTG (support charging)  Audio 1 x Built-in Mic 1 x Speaker  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Operating Temperature  Storage Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP67  MIL-STD-810G Method 516.6, 5 ft	Dimension	192 x 92 x 29.25 mm	Weight	370g			
(support charging)  Audio 1 x Built-in Mic 1 x Speaker  Docking Connector 1 x Docking Connector  Environment  Operating Humidity 5% to 95% RH, Non-Condensing Operature  Storage 7-30°C to 70°C Shock MIL-STD-810G Method 514.6 Procedure I IP rating IP67  Drop MIL-STD-810G Method 516.6, 5 ft	IO Ports						
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Storage -30°C to 70°C Shock MIL-STD-810G Method 516.6 Procedure I Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP67  Drop MIL-STD-810G Method 516.6, 5 ft	Environment						
Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP67  Drop MIL-STD-810G Method 516.6, 5 ft	Operating Humidity	5% to 95% RH, Non-Condensing	Operating Temperature	-10°C to 50°C (Battery mode)			
Drop MIL-STD-810G Method 516.6, 5 ft	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	IP67			
Certification	Drop	MIL-STD-810G Method 516.6, 5 ft					
	Certification						

Certification	CE, FCC				
Control					
Button	On-screen QWERTY Keyboard 1 x 19 Physical Keypad Include Power Key 1 x Volume +/-, 2 x Function Button				
Power					
Battery	3.7V 3900mAh Nonremovable Battery	Battery Operating Time	20Hr		
Power Rating	5V	Adapter	5V 1A Adapter with USB TypeC		
Security Function					
SOTI MobiControl	SOTI MobiControl Compliance				
Accessory					
Accessory	Universal Adapter USB Type-C Cable	Optional Accessory	Micro SD Card Desk Dock		

#### **DIMENSIONS** UNIT:MM



## **NOTE**

- 1. Total usable memory will be less dependent upon actual system configuration.
- 2. Computrace theft protection is available upon request.
- 3. Length measurements do not include protrusions. Weight varies with options and a digitizer pen.
- 4. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- 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.