E500QK-ML

5" Qualcomm® Snapdragon™ 660 Defence Rugged Handheld Computer

KEY FEATURES

- Qualcomm® Snapdragon™ 660 (Octa-core 2.2 GHz), Defence Rugged Handheld Computer
- 5" 1280 x 720 Panel with direct optical bonding
- IP67 waterproof and dustproof
- 8MP Front(Default) / 13MP Rear Camera(Optional)
- With 19 keypad include power key
- With Defence Standard Connector (USB + Power, Optional LAN & Audio)

OVERVIEW

Suitable for Defence Applications

Rugged specifications of the compact E500QK handheld computer mean that defence personnel can take photos, enter data, and take photos in any harsh environment. The latest Android operating system offers tremendous potential for developing or adapting mobile computer applications, allowing the defence to acquire the newest technology rapidly.

Defence Standard Connector

For smooth integration into the existing defence environment, the E500QK rugged handheld computer features a defence standard connector for power, USB, Ethernet, and audio to enable an effortless connection to defence equipment. Notice that defence connector functions may vary by product specifications.

Rugged Design Built to Survive MIL-STD-810G, IP67

Tailored for industrial and defence applications and packed in a rugged housing, the E500QK rugged handheld computer survives any environment. With its IP67-rated water and dust protection, and compliance to the MIL-STD-810G standard, the E500QK withstands the rigors of outdoor environments - moisture, dust, weather changes, strong vibration, and drops 5 ft.

High Performance with Low Power Consumption

The E500QK android series features the latest Qualcomm® Snapdragon™ 660 mobile platforms to provide high performance and low power consumption with extended battery life. It supports the Android operating system to fulfill the increasing requirement in industrial applications and offers an alternative solution for those between general consumers and extremely rugged applications.

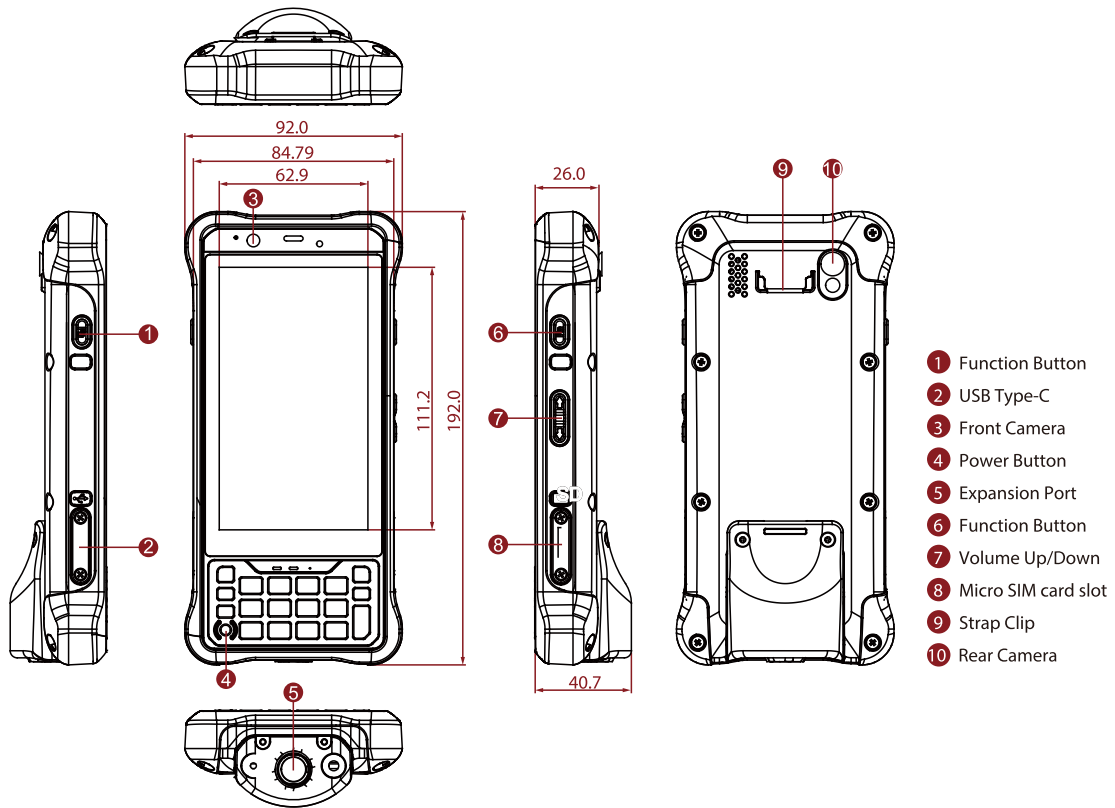### Battlefield Communications with Real-Time Wireless Connectivity

Real-time data access to the right information is crucial for mission-critical and battlefield operations. With wireless connectivity onboard, the E500QK rugged handheld computer offers fast and accurate GNSS, BT, and WLAN connectivity to enable robust communications anytime and anywhere.

SPECIFICATIONS

Display			
Resolution	1280x720	Size	5.0 inches
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	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)		Memory	3GB
Storage	32GB		Operating System	Android 9.0
WLAN	Support		BT	Support
GNSS	GPS/AGPS		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)		SD Card Slot	1 x Internal non-accessible Micro SD Card Slot
Audio	1 x Built-in Mic 1 x Speaker		Expansion Port	Military Connector (Optional)
Indicator	1 x LED Indicator			

Environment

Operating Humidity	5% to 95% RH, Non-Condensing		Operating Temperature	-20°C to 60°C
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
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

DIMENSIONS   UNIT:MM

Dimensions:
92.0
84.79
62.9
111.2
192.0
26.0
40.7

❶	Function Button
❷	USB Type-C
❸	Front Camera
❹	Power Button
❺	Expansion Port
❻	Function Button
❼	Volume Up/Down
❽	Micro SIM card slot
❾	Strap Clip
❿	Rear Camera

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.