E500RM9

5" ARM A73 + A53 Rugged Handheld Computer

KEY FEATURES

- 5" 1280 x 720 Resolution
- ARM A73 x 4 (2.0 GHz) + A53 x 4 (2.0 GHz)
- IP65 waterproof and dustproof
- Optional 1D/2D Barcode Reader and Fingerprint Reader for data collection
- Rated for extreme temperature use
- Optional NFC function

OVERVIEW

The Most Compact Rugged Solution for Mobile Workforce

The E500RM9 rugged mobile computer is an ultimate compact pocket-size 5" portable computer for on-the-go communications, monitoring, and data capture.

With built-in 13 MP rear and 8MP front camera, optional 1D/2D barcode reader, and NFC reader for data collection, the E500RM9 with PCAP touch screen suits modern mobile workers and business applications.

Built to Survive

Compliant with MIL-STD-810H and sealed to IP65 rating, the E500RM9 rugged mobile computer is built to withstand harsh environments, protected against water and dust, operate in extreme temperatures, and endure shocks and vibrations.
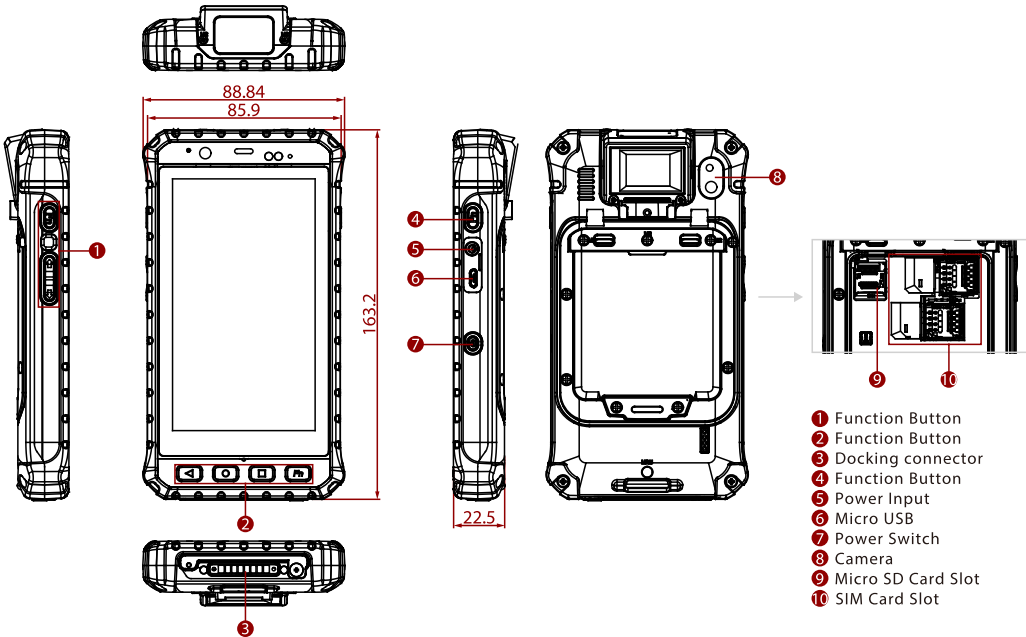
Rated for Extreme Temperature Use

The E500RM9 rugged mobile computer can operate in a wide temperature range, also equipped with an extended battery running time, it offers the flexibility of use in many industrial use cases.

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	ARM A73 x 4 (2.0 GHz) + A53 x 4 (2.0 GHz)	**Memory**	4GB
Storage	64GB	**Operating System**	Android 11.0
WLAN	Support	**BT**	Support
WWAN	4G/LTE (Optional)	**GNSS**	GPS/AGPS
RFID	NFC (Read / Write) (Optional)	**Sensors**	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors
Smart Card Reader	ISO7816 Part 1.2.3 Smart Card Reader (Optional)	**Fingerprint Scanner**	Fingerprint Reader (Optional)

Camera

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

Mechanical

Dimension	85.9 x 163.2 x 22.5 mm	Weight	315g

IO Ports

USB Port	1 x Micro USB OTG	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	2 x SIM Card Slot	Audio	1 x Audio Combo connector (Mic in or Line Out) 2 x Built-in Mic 1 x Speaker 1 x Receiver
Indicator	1 x LED Indicators (Power, Battery)	Docking Connector	1 x Docking Connector

Environment

Operating Humidity	10% to 95% RH, NonCondensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Drop	MIL-STD-810H Method 516.8, 4 ft		

Certification

Certification	CE, FCC

Control

Button	1 x Volume +/-, 1 x Power Button, 3 x Function Button, 1 x Home, 1 x Menu, 1 x Esc

Power

Battery	3.7V 3900mAh Hotswappable Function (Optional)	Battery Operating Time	20Hr
Power Rating	5V	Adapter	5V 2A Adapter

Security Function

SOTI MobiControl	SOTI MobiControl Compliance

Accessory

Accessory	Power Plug (Based on Customer's Country) Hand Strap Battery	Optional Accessory	Micro SD Card Charging Dock 2 bay Charging Dock 6 bay Battery Charging Dock 2 bay Battery Charging Dock 6 bay Micro USB Cable

Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader (Optional)

DIMENSIONS   UNIT:MM

❶ Function Button
❷ Function Button
❸ Docking connector
❹ Function Button
❺ Power Input
❻ Micro USB
❼ Power Switch
❽ Camera
❾ Micro SD Card Slot
❿ SIM Card Slot

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.