

E500RM8-ME, 5-inch Rugged Industrial PDA

An enterprise-class PDA with powerful mobile computing solution for healthcare applications

Winmate's E500 Series PDA is an enterprise-class PDA with powerful mobile computing solution. The E500 Series PDA brings a new level of flexibility, functionality and rugged design to pocket-sized mobile devices, providing task workers and managers with the power to streamline business processes, increasing productivity and improving customer service. The E500 packs WLAN, BT and GPS function - all into a single device. With great multiple wireless communicate design, this product will be applicable to mobile worker, business application, and IT requirements.



Highlights

- ARM A53 Octa Core 1.3GHz
- 5" 1280 x720 Panel with direct optical bonding
- 1D/2D Barcode Reader and NFC reader for data collection
- IP65 waterproof and dustproof
- Optional antimicrobial surface coating

Order Information

| | |
|------------|--|
| E500RM8-ME | Support 1D/2D Barcode Reader and NFC Optional 3G/4G LTE |
|------------|--|

White color housing MOQ 500 PCS

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Display Specification

| | |
|----------------|---|
| Size | 5-inch |
| Resolution | 1280 x 720 |
| Brightness | 500 nit |
| | With Direct optical bonding for sunlight readable |
| Touch | Multi-touch projected capacitive |
| Contrast Ratio | 800:1 |
| Viewing angle | 80/80/80/80 |
| Technology | <ul style="list-style-type: none">• Ambient light sensor, e-compass, gyro, and acceleration sensors• Automatic screen rotation |

System Specification

| | |
|------------------|--|
| Processor | ARM A53 Octa-core 1.3 GHz |
| System Memory | 2GB RAM ¹ |
| Storage | 16GB Emmc |
| | Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), |
| Operating system | Android 5.1 |

Wireless Communication

| | |
|------|----------------------|
| WLAN | 802.11 a/b/g/n |
| BT | BT 4.1 |
| GPS | GPS / AGPS / GLONASS |
| WWAN | Optional 3G/4G LTE |

Interface

| | |
|-------------------|------------------------|
| Docking Connector | 1 x Docking connector |
| USB | 1 x Micro USB |
| Power input | 1 x Power Jack |
| Micro SD | 1 x Micro SD Card Slot |
| SIM Card Slot | 2 x SIM Card Slot |

Keyboard and Input

| | |
|----------------|--|
| Touch | 10-point multi touch, support Hand / Gloves and Rain Mode On-screen QWERTY keyboard |
| Button | 1 x Volume +/-, 1 x Power Button, 2 x Function Button |
| LED Indicators | 1 x LED indicators |

Audio

| | |
|------------|-------------------|
| Microphone | 2 x Built-in Mic |
| Speaker | 1 x 1.2 W speaker |
| Earphone | 1 x Earphone |

Cameras

| | |
|-------------|--|
| Web camera | 2MP Camera |
| Rear camera | 8MP Camera with LED auxiliary light (auto focus) |

Data Capture

| | |
|----------------|---------------------------------------|
| Barcode Reader | 1D/2D Barcode Reader |
| NFC Reader | NFC (Read / Write, peer to peer Mode) |

Security Function

| | |
|---------------------|--|
| Mobile Device Mgmt. | SOTI Mobicontrol compatible ² |
|---------------------|--|

Mechanical and Environment

| | |
|-----------------------|--|
| Dimension (W x L x H) | 85.9 x 163.2 x 22.5 mm ³ |
| Weight | 315g |
| Housing | Antimicrobial surface coating (Optional) |
| Operating Temperature | 0°C to 35°C, Humidity up to 95% |
| Storage Temperature | -20°C to 60°C, Humidity up to 95% |
| IP Proof | IP65 Certified, waterproof and dustproof |
| Shock | MIL-STD-810G Method 516.6 Procedure I |
| Vibration | MIL-STD-810G Method 514.6 Procedure I |
| Drop | MIL-STD-810G Method 516.6, 5 ft ⁴ |

Power Management

| | |
|------------------------|---|
| Battery | 3.7V 3900mAh Li-ion removable battery, optional for Hotswappable function |
| Battery Operating Time | 20Hr ⁵ |
| Adapter | 5V 2A Adapter |

Accessories

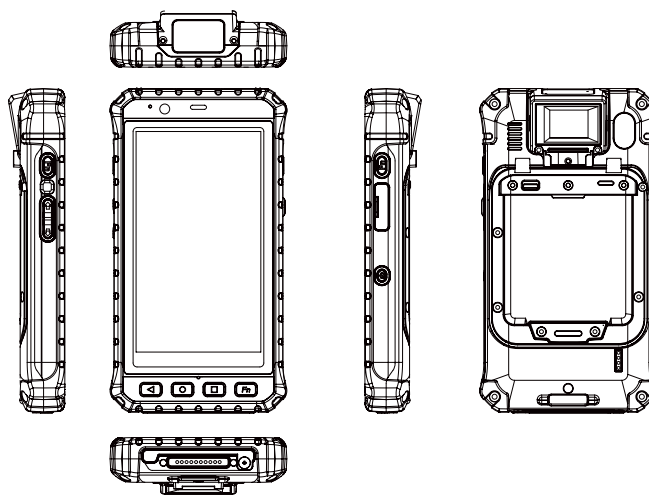
Standard Accessories

| | |
|-------------------|--------------|
| Universal Adapter | 9226010W05V0 |
| Micro USB Cable | 9487049050K0 |
| Micro SD Card | 76G004300000 |
| Hand Strap | 9B0000000330 |

Optional Accessories ⁶

| | |
|-----------------------------|--------------|
| Charging Dock 2 bay | 98TA05Z00002 |
| Charging Dock 6 bay | 98DP05A00001 |
| Battery Charging Dock 2 bay | 98K004A0000G |
| Battery Charging Dock 6 bay | 98K000A0004G |
| Battery | 32040370400B |

Drawing ⁷



Caution

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)
Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

1. Total usable memory will be less depending upon actual system configuration
2. SOTI are available upon request
3. Length measurements do not include protrusions.
4. The drop test with high-capacity battery must come with 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.