



MH1005A™ **5" RUGGED HANDHELD** Powerful Mobile Solution – Designed for Efficiency

The MH1005™ is a fully rugged handheld device for industrial use, withstanding water, dust, vibration and more, making it ideal for operations in harsh environment.

The MH1005A is designed for use in very tough conditions. It is IP65 dust proof and water resistant, withstands vibration and works in temperatures of -10 to +50 °C / 14 to +122 °F.

With light weight and compact form factor it can easily be used by the operator on the job. Thanks to the simple latch system and hot-swappable battery the MH1005A supports continual operation on the field without down time.

The MH1005A features built-in NFC reader and optional 1D/2D barcode scanner, enabling both indoor and

outdoor barcode scanning for advanced data collection. In addition, it is equipped with a 2MP front camera and a 8MP rear camera for photo and video capturing.

Key Features

- Cortex-A53 octa-core processor
- 5" 1280 x 720 TFT panel with direct optical bonding
- Android operating system
- Hot-swappable battery
- IP65 water resistant and dust proof
- Designed for use in extreme temperatures
- Optional integrated 1D/2D barcode reader
- Supports NFC functions
- Double integrated cameras on front and back

Because it Works!™

MH1005A™ Product Specifications

| Base unit | |
|------------------------------|--|
| Display | 5" (1280 x 720) |
| | 500 NIT (typ.) Brightness |
| | 800:1 Contrast |
| | Multi-touch projective capacitive touch |
| Memory | 2GB RAM |
| Processor | ARM® Cortex-A53 octa-core 1.3GHz |
| Storage | |
| Onboard | 16GB eMMC |
| Expansion | SDHC-card (up to 32 GB) |
| RF Options | |
| Bluetooth | v4.1 |
| GNSS | GPS / AGPS / GLONASS |
| WLAN | 802.11 a/b/g/n |
| WWAN North America | LTE Cat 4 / DC-HSPA+, b2/b4/b5/b13/b17 (ability to switch between operators) |
| WWAN Other regions | GSM/GPRS/EDGE, b2/b3/b5/b8 FDD-LTE / TDD-LTE, b1/b3/b4/b7/b8/b20/ b38/b39/b40/b41 WCDMA/HSDAP/HSPUA, b1/b2/b4/b5/b8 |
| Interfaces | |
| Audio | 1x 1.2W speaker |
| | 2x Built-in mic |
| | 1x Earphone |
| Camera | Front: 2.0 MP |
| | Rear: 8.0 MP with LED flash |
| Data Capture | 1D/2D barcode reader (optional) |
| | Fingerprint reader (optional) |
| | NFC reader |
| | Smart card reader (optional) |
| Indicators | 1x LED (status) |
| Keys | 1x Power |
| | 1x Volume keys |
| | 2x Programmable function keys |
| | 2x Front keys |
| Ports | 1x Docking connector |
| | 1x Micro USB |
| | 1x Micro SD-card slot |
| | 1x Power jack |
| | 2x SIM-card slot |

| Sensors | |
|---------------------------------|--|
| Sensors | Digital compass |
| | G-sensor |
| | Light sensor |
| Power Supply | |
| Adapter | 5V 2A |
| Battery | 3.7V 3900mAh Li-ion removable battery (optional for hot-swappable function) |
| | Up to 20 hours operating time |
| Security | |
| Mobile Device Management | SOTI Mobicontrol compatible (available upon request) |
| Operating System | |
| Android | Android |
| Physical Characteristics | |
| Dimensions | 85.9mm (w) x 163.2mm (h) x 22.5mm (d) 3.38 inch (w) x 6.43 inch (h) x 0.89 inch (d) |
| Weight | 0.135 kg / 0.28 lb |
| Environment | |
| Drop | MIL-STD-810G (multiple 5-foot drop to concrete) |
| Dust and water | IP65 |
| Operating temp. | -20 to +60 °C / 68 to +140 °F (AC mode) |
| | -10 to +50 °C / 14 to +122 °F (battery mode) |
| Shock | MIL-STD-810G |
| Vibration | MIL-STD-810G |

JLT Mobile Computers

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