jLT mobile computers

MH1005A™

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, b2/b4/b5/b13/b17
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 Mangement	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

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