MH1005A
5" fully rugged handheld

Ideal for remote work

The MH1005A™ is a fully rugged handheld device with Android™ operating system, ideal for field service or warehousing operations in harsh environment. It is IP65 dustproof and waterproof and works in temperatures of -10 to +50 °C / 14 to +122 °F.

Thanks to its light weight and compact form factor, the MH1005A is perfectly suited for a wide range of tasks in the field. The simple latch system and hot-swappable battery help to ensure continuous operation wherever you are. An optional 1D/2D barcode scanner enables advanced data collection indoors and outdoors.

KEY FEATURES

- Android operating system
- 5" display with optical bonding for sunlight viewability
- ARM® Cortex™ A53 octa core processor
- Fully rugged construction, IP65 waterproof and dustproof
- Hot-swappable battery design
- Withstands a four-foot drop onto concrete
- Optional integrated 1D/2D barcode reader
- Supports NFC

HIGHLIGHTS

When mobility is key
The slim and compact format makes this fully rugged handheld device perfect for remote work

Maximized uptime
Total peace of mind with JLT:Care, the no-questions-asked service agreement from JLT

Advanced data collection
Two integrated cameras and an optional barcode scanner make scanning and photo and video capture fast and easy

JLT

MH1005A 5" fully rugged handheld

BASE UNIT

Processor
ARM® Cortex-A53 octa-core 1.3GHz

Memory
2GB RAM

Display
5" (1280 x 720) 500 NIT
Capacitive multi-touch screen

STORAGE

Onboard
eMMC 16GB (expansion SDHC-card up to 32GB)

RF OPTIONS

Radio
WLAN 802.11 a/b/g/n
Bluetooth v4.1

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

GPS
A-GPS/GLONASS

INTERFACES

Ports
1x Micro USB
1x Micro SD-card slot
2x SIM-card slot
1x Docking connector
1x Power jack

Audio
1x 1.2W speaker
2x Built-in mic
1x Earphone

Camera
Rear 8.0 MP, front 2.0 MP

Data capture
NFC reader and optional: 1D/2D barcode reader, fingerprint reader, smart card reader

Keys
1x Power
1x Volume keys
2x Front keys
2x Programmable function keys

LED indicators
Status

SECURITY

Mobile Device Management
SOTI Mobicontrol compatible (available upon request)

SENSORS

Digital compass
Light sensor
G-sensor

POWER SUPPLY

Battery
3.7V 3900mAh Li-ion removable battery (optional for hot-swappable function)
20 hours (depending on usage)

Adapter
5 V 2A

OPERATING SYSTEM

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
315g, 0.69 LB

ENVIRONMENT

Operating temp.
AC mode
-20 to +60 °C / 68 to +140 °F

Battery mode
-10 to +50 °C / 14 to +122 °F

Dust and water
IP65

Vibration
MIL-STD-810G

Shock
MIL-STD-810G

Drop
MIL-STD-810G (multiple 5-foot drop to concrete)