ALR-H450 Mobile RFID reader, Android, 2D, RFID, Wi-Fi, WVGA, WM, GPS, 3G, handle, UHF 865-868 MHz

The Alien Technology® commercial class ALR-H450 “connected” Android handheld readers enables users to deploy manageable, robust, best-in-class EPC Gen 2 RFID solutions for supply chain, manufacturing, and asset management applications. Used demonstration piece, fully functional.

Robust Compact/Connected Android Based Handheld:



This feature-rich reader is packaged in a compact ergonomic footprint, yet comes with a full QWERTY keyboard for onthe-go data-entry and while displaying results on the large 4” WVGA crisp touch panel display.
The solution provides an easy-to-integrate, easy-to-manage package in an open source Android environment.
A number of techniques including shock-resistance rubber seals are used to ensure durability resulting in an IP64 water/ dust proof rating and a 1.0m/ 3ft drop qualification.

High Performance Antenna:
The ALR-H450 delivers exceptional performance with best-inclass receive sensitivity and enhanced interference rejection enabled partly be an unusually high performance 4dBic antenna.

Main features of Alien ALR-H450 Handheld UHF RFID reader:

- QWERTY keyboard, rugged yet lightweight for ease of use
- Ergonomic design provides superior user comfort and use
- “Connected” via the full set of wireless networking
- IP64 sealing for dust and water resistance
- Prolonged usage capabilities provided by a 3,200 mAh main lithium polymer main battery pack and 5,200 mAh gun handle battery
- Android 4.4 (Kit Kat)

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Technical Description

Functionality & Operation	
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	all standard 2D-Codes
Expansion slot	Micro SD Card (SDHC), SIM card
RFID transponder protocols	EPC Class 1 Gen2, ISO 18000-6C
Display type	4" WVGA TFT LCD 16,7M color
Antennas, Antenna inputs	integrated RFID antenna
Keyboard	QWERTY
Memory	1GB 4 GB Flash
Frequency	UHF: 902 - 928 MHz (US), UHF: 865 - 868 MHz (EU)
Operating system	Android 4.4.2 KitKat
GPS navigation	AGPS
CPU Type	Cortex-A7 Quad Core 1,3 GHz
GPS navigation	AGPS
Communication interface	WLAN (WiFi), Bluetooth Class II 5.1 ver. 2.1+ EDR
Optical	
Bar code scanner	2D Imager
Resolution	480x800 px
Electrical	
Main battery pack	Main: 3,7V, 3200 mAh, Gun: 3,7V, 5200 mAh
Mechanical	
Weight	371g without battery
Dimensions	Width: 85mm, Height: 185mm Length: 105mm without gun
Environment	
Ingress protection	IP64
Electrical static discharge	±4kV contact, ±8kV air
Shock resistance	drop from 1 m onto concrete surface
Operating temperature	-10 to 50°C
Storage temperature	-40 to 70°C



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