RS31: Enterprise Smartphone, Android, CCD, GMS

CipherLab RS31 is a touchscreen, mobile, robust and very durable smartphone with dual SIM card, built-in NFC and RFID reader, barcode scanner and a 8 megapixel camera. Its solid protection ensures worry-free applications in the field. The 4.7-inch touch screen along with Android operating system provides to an user the interface as similar and familiar as any personal smartphone. Armed with ruggedness, the RS31 provides extra protection to enhance ruggedness with a protective boot. Equipped with versatile reader options, NFC communication and other functions, the RS31 offers a rugged and intelligent solution to meet mobile workers' needs.

The RS31 series touch mobile computer is a touch-oriented smartphone with built-in multi-touch panel operating on the Android operating system. Compared to its predecessor RS30, the RS31 is faster, more robust, and has the newest version of the operating system, with all the other features retained. It is also equipped with a better DragontrailTM Glass, which makes it HIGHLY scratch-resistant (eg. while wearing it in the pocket with the keys). The large range of temperatures at which the RS31 is fully functional allows the device to be used in very cold or very hot environments. For automated data collection, it uses the 1D / 2D barcode reader and the RFID, as well as the NFC, reader.



Key features of the CipherLab RS31:

- Android OS
- Long battery life
- 2 Dual SIM
- built-in NFC and RFID reader as standard
- Touch, transmissive display 4.7 "
- IP67
- built-in multi-touch panel
- protective layer display: DragontrailTM Glass
- battery backup with Hot swap function (battery replacement during work)
- Low weight 260 g
- 8 megapixel camera

- Wi-Fi and Bluetooth
- supported by development software tool Sysdev KALIPSO Mobile Application Generato



Technical Description

Functionality & Operation	
WPAN Features	Bluetooth® v4.2 Dual mode (2.1+EDR / BLE), Bluetooth® Class II v2.0, Bluetooth® Class II v2.1 EDR
RFID transponder protocols	NFC (NDEF), ISO 14443A, ISO 14443B, ISO 15693
Display type	4,7" HD IPS LCD Transmissive Dragontrail TM glass, sunlight visibility
Touch-screen panel	capacitive multi-touch
Operation interface	scan button, programmable buttons, volume up and down keys, ON/OFF
Audio	speaker, dual array digital microphone with echo and noise cancellation
WLAN Features	IEEE 802.11 a/b/g/n
1D Barcode Symbologies	All standard one-dimension barcodes
Wireless communication	NFC, Bluetooth®, GPS, WiFi, GSM, EDGE, GPRS, LTE, WCDMA, HSDPA, HSPA+
Operating system	Android 7.0 GMS
CPU Type	Cortex 1.3 GHz Quad Core Processor
Memory	16GB eMMC Flash
Memory	2GB LPDDR3 RAM
Expansion slot	Micro SD Card (SDHC), 2x SIM, SAM
Indicators	Three-color LED , vibration, speaker
Communication interface	802.11a/b/g/n, Bluetooth, micro USB
GPS navigation	AGPS, GLONASS
WWAN Features	GSM/GPRS/EDGE: Quad band 850 / 900 / 1800 / 1900 MHz, LTE 800/900/1800/2100/2600 MHz
Bluetooth profiles	GAP, SDP, HSP, GOEP, SPP, OPP, A2DP, PAN, HFP, AVRCP, HID, PBAP, GAVDP
Optical	
Bar code scanner	1D Imager
Camera	8 MPix, with Autofocus
Resolution	1280x720 px
Electrical	
Main battery pack operating time	12hod
Main battery pack	Rechargeable Li-Ion battery 3000 mAh, 3.7V
Mechanical	
Dimensions	Width: 80mm, Height: 17.3mm Length: 159mm
Weight	260g
Color	black
Environment	
Operating temperature	-20 to 50°C
Storage temperature	-30 to 70°C
Operating humidity (non-condensing)	10 to 90%
Storage humidity (non-condensing)	5 to 95%
Ingress protection	IP67
Electrical static discharge	±8kV contact, ±15kV air

Shock resistance	Withstands multiple drops from 1,2 m to concrete, in all axis and in operating temperature range
Others	
Application software	App-Lock, SOTI MobiControl, Kalipso Mobile Application Generator, MIRROR Browser, Reader Configuration, Button Assignment, HTML5 (Browser & API), Terminal Emulation
Optional accessories	vehicle mount, charging and communication cradle, snap-on communication & charging cable, battery charger, Schutzrahmen
Certifications	CE, RCM, NCC, JRL, TBL, RoHS, REACH, WEEE, ErP
Warranty	1 year

CODEWARE, s.r.o.
Jaromírova 484/37
120 00 Praha 2 - Nusle
IČ: 61061395, DIČ: CZ61061395

+420 222 562 444
codeware@codeware.cz
https://www.codeware.cz/

