

## RS30: Enterprise Smartphone, 1D Imager, Android, black, USB kit

CipherLab RS30 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 4.4 operating system provides to the user interface as similar and familiar as any personal smartphone. Armed with ruggedness, the RS30 provides extra protection to enhance ruggedness with a protective boot. Equipped with versatile reader options, near field communication and other functions, the RS30 offers a rugged and intelligent solution to meet mobile workers' needs.

The RS30 series touch mobile computer is a touch-centric smartphone with built-in multi-touch panel operating on the Android operating system. This ensures minimal training for the users because the user experience would be as similar as a personal smartphone. Its high sensible touch panel supports users' touch from bare fingertips to latex gloves. The RS30 series also includes a large 4.7" display which supports more viewable data to speed up information checking and responses to customer requests. The RS30 series weighs in at only 250 grams so there are no burdens on users mobility.



### Key features:

- Android OS
- Long battery life
- 2 Dual SIM
- built-in NFC and RFID reader as standard
- Touch, transmissive display 4.7 "
- IP54
- built-in multi-touch panel
- protective layer display: Corning Gorilla Glass 3
- battery backup with Hot swap
- Low weight 260 g
- 8 megapixel camera
- Wi-Fi and Bluetooth
- supported by development software tool Sysdev KALIPSO Mobile Application Generator



1D CODE



BAT



TOUCH



USB



CAMERA



MICRO SDHC



ANDROID



1D  
IMAGER  
READER



LCD



TFT



BT



DATA



GPS



NFC



WIFI



RFID  
13.56  
UHF



RFID HF

# Technical Description

|                                     |                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functionality & Operation           |                                                                                                                                                          |
| 1D Barcode Symbolologies            | All standard one-dimension barcodes                                                                                                                      |
| Operation interface                 | scan button, programmable buttons, volume up and down keys, ON/OFF                                                                                       |
| Wireless communication              | NFC, GSM, GPRS, EDGE, HSDPA, HSPA+, HSUPA, WCDMA                                                                                                         |
| Operating system                    | Android                                                                                                                                                  |
| Expansion slot                      | Micro SD Card (SDHC)                                                                                                                                     |
| Memory                              | 8 GB Flash/1 GB RAM                                                                                                                                      |
| Touch-screen panel                  | Yes                                                                                                                                                      |
| Display type                        | 4,7" IPS LCD Transmissive Corning Gorilla Glass 3                                                                                                        |
| WLAN Features                       | IEEE 802.11 a/b/g/n, WLAN security: WEP, WPA: PSK, TKIP, WPA2: AES, PSK, WPA-1x: TKIP, EAP-TLS, PEAP, WPA2-1x: AES, EAP-TLS, PEAP, 802.1x: EAP-TLS, PEAP |
| GPS navigation                      | a-GPS                                                                                                                                                    |
| WPAN Features                       | Bluetooth® Class II v2.1 EDR                                                                                                                             |
| CPU Type                            | Cortex 1.3 GHz Quad Core Processor                                                                                                                       |
| RFID transponder protocols          | NFC (NDEF), ISO 14443A, ISO 14443B, ISO 15693                                                                                                            |
| Communication interface             | USB: OTG, client and host                                                                                                                                |
| Indicators                          | 3xLED , vibration, speaker                                                                                                                               |
| WWAN Features                       | GSM/GPRS/EDGE: Quad band 850 / 900 / 1800 / 1900 MHz                                                                                                     |
| Bluetooth profiles                  | GAP, SDP, GOEP, SPP, OPP, HID, HSP, HFP, FTP, PBAP, A2DP, AVRCP                                                                                          |
| Audio                               | speaker, dual array digital microphone with echo and noise cancellation                                                                                  |
| Optical                             |                                                                                                                                                          |
| Bar code scanner                    | 1D Imager                                                                                                                                                |
| Camera                              | 8 MPix, with Autofocus                                                                                                                                   |
| Sensors                             | light sensor, proximity sensor, accelerometer, e-compass                                                                                                 |
| Electrical                          |                                                                                                                                                          |
| Main battery pack operating time    | 10hod                                                                                                                                                    |
| Main battery pack                   | Rechargeable Li-Ion battery 2400 mAh, 3,7V                                                                                                               |
| Mechanical                          |                                                                                                                                                          |
| Color                               | black                                                                                                                                                    |
| Weight                              | 260g                                                                                                                                                     |
| Dimensions                          | Width: 80mm, Height: 155mm Length: 17.3mm                                                                                                                |
| 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                  | IP54                                                                                                                                                     |
| Electrical static discharge         | ±8kV contact, ±15kV air                                                                                                                                  |
| Others                              |                                                                                                                                                          |

|                      |                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Warranty             | 1 year                                                                                                                    |
| Development tools    | CipherLab API for Android                                                                                                 |
| Certifications       | CE, RCM, FCC, Green, NCC                                                                                                  |
| Application software | App-Lock, Reader Configuration, Kalipso Mobile Application Generator, SOTI MobiControl, MAPS.ME, Zello, Programmable Keys |
| Optional accessories | protective cover, charging and communication cradle, snap-on communication & charging cable                               |

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