

CIPHER LAB  
Smarter

# RK25 series



## Combining New Age Features with Classic Usability

Keeping up with the trend of Android mobile computers, CipherLab has been pushing boundaries to continuously update mobile data collection functions. As more users start to adopt the Android mobile computers, more features to satisfy various user behaviors are in higher demand. Crafted with operation-friendly designs, up-to-date features, powerful wireless options and versatile data capture functionality, the CipherLab RK25 mobile computer creates a perfect blend of new age features and classic usability to maximize your enterprise's usability.



# RK25 series

Rugged Mobile Computer

## Up-to-date Features for Big Volume Data Collection

As extensions from commercial smartphone, the RK25's Android operating system has a large display with management android apps that is easy to operate with simple numeric keypad. CipherLab's RK25 comes with 2 physical keypad designs for users to choose from. The physical buttons allow users to feel and press the buttons easily for faster data entry with higher accuracy, even during non-visual data entry applications which requires users to read off and simultaneously enter in data. Built for users in the retailing, light warehousing and field mobility industries, it fulfills the most diverse user behaviors in any environment with big volume data collection demands. The RK25 mobile computer effortlessly combines the benefits of touch computers with handheld terminals into one reliable device.



### Big Display and Friendly Operation Design

With large and easy to use buttons, RK25 is made to best suit your specific preferences. Its 4" display with multi-touch panel has auto-adjustable backlight and sunlight visibility to ensure readability in all environments. Its 10 degree reading angle makes on-screen data checking simple by allowing users to read barcodes without laying the RK25 flat. Moreover, its compact 292 g, curved grip design reduces extended usage fatigue while delivering comfortable one-hand operation. Your staff will be able to extend their productivity to the fullest with RK25's friendly operation design.



### Enterprise Usability with Updated Advancements

CipherLab RK25 is equipped with the latest quad-core 1.4 GHz processor and 2 GB RAM. Any complicated job process is immediately simplified with its high speed performance and smooth operation. Through its Micro SDHC card slot, the RK25's ample 16 GB memory is expandable to 32 GB so data-intensive applications can run smoothly. Android 7 Nougat with GMS certification allows the RK25 to meet enterprise security standards while supporting all Google official API including Google Play, G-mail and Google Map, significantly increasing your business' mobility.



# RK25 series

## Rugged Mobile Computer



|                          |   |  |
|--------------------------|---|--|
| Performance              | Operating system  | Android 7 Nougat with GMS  |
|                          | CPU   | Quad-core 1.4 GHz Cortex A53   |
|                          | Memory  | 2GB RAM / 16GB Flash   |
|                          | Expansion   | Micro SD card slot with SDHC support (up to 32GB)  |
|                          | SIM / SAM   | 1 SIM slot and 1 optional SIM/SAM slot   |
|                          | Operating power   | Replaceable and rechargeable 3.8V, 4000 mAh Li-Polymer battery   |
|                          | Working hours <sup>1</sup>  | minimum 8 hours (2D imager)  |
| Wireless communication   | Alert   | Tri-color LEDs, vibrator, speaker  |
|                          | Interface supported   | USB 2.0 OTG and charging contact   |
|                          | WWAN <sup>2</sup>   | GSM: Quad Band (850/900/1800/1900Mhz)<br>TD-SCDMA: Band34, Band39<br>WCDMA: Band1, Band2, Band5, Band8<br>TDD-LTE: Band38, Band39, Band40, Band41<br>FDD-LTE: Band1, Band2, Band3, Band5, Band7, Band8, Band20 |
|                          | WLAN  | IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/l   |
|                          | WLAN security   | WPA, WPA2, WEP, TKIP, AES, PEAP, TTLS, TLS, PWD, SIM   |
|                          | WPAN  | Bluetooth® Class II, V4.0 BLE, V2.1 with Enhanced Data Rate (EDR)  |
|                          | Bluetooth® profile  | GAP, SDP, HSP, SPP, GOEP, OPP, HFP, PAN, A2DP, AVRCP, GAVDP, HID, PBAP   |
| Data capture             | GPS <sup>3</sup>  | GPS, Galileo, GLONASS, BeiDou, AGPS  |
|                          | Barcode scanning  | Linear imager / 2D imager / Mid-Range 2D imager  |
|                          | RFID (Optional) <sup>3</sup>  | HF RFID 13.56 MHz frequency which supports ISO14443 TYPE A,B, and ISO15693<br>Support NFC (Peer-to-Peer, Card Reader, Card Emulation)  |
|                          | Camera (Optional)   | Autofocus 8 megapixels with LED flash  |
| Physical characteristics | Display   | 4" WVGA 480 (W) x 800 (H), Coming Gorilla Glass, TN LCD  |
|                          | Touch panel   | Capacitive touch with stylus, bare fingertip, and gloved fingertip inputs  |
|                          | Interactive Sensor Technology   | Accelerometer, Light sensor, proximity sensor, e-compass, Gyroscope  |
|                          | Keypad  | 25-key/28-key numeric keypads with assignable keys, volume up and down keys, left and right trigger keys, power key  |
|                          | Audio   | Speaker, dual array microphones with echo and noise cancellation   |
|                          | Size (LxWxH)  | 168 x 73.8 x 26 mm   |
|                          | Weight  | 292 g (2D imager with battery)   |
| User environment         | Operating temperature   | -20°C to 50°C / -4°F to 122°F  |
|                          | Storage temperature   | -30°C to 70°C / -22°F to 158°F   |
|                          | Humidity (non-condensed)  | Operating 10% to 90% / Storage 5% to 95%   |
|                          | Impact resistance   | Standard: 1.5 m (5 ft.) multiple drops onto concrete, With rubber boot: 1.8 m (6 ft.) MIL-STD-810G<br>IP65 / 300 tumbles at 0.5 m  |
|                          | Electrostatic discharge   | ± 15 kV air discharge, ± 8 kV contact discharge  |
|                          | Regulatory compliance   | CE, NCC, CCC, SRR, ANATEL, BIS, WPC<br>RoHS, REACH, WEEE, ErP, China RoHS  |
| Accessories              | Standard  | Hand strap, Charging and communication cradle, Charging and communication snap-on cable, Pistol grip, Rubber boot, Vehicle cradle, 4-slot battery charger, UHF RFID reader                                     |
|                          | On request  | Multi-slot Ethernet cradle   |
| Development support      | Android SDK, reader API, SAM API, HTML 5 API  |  |
| Application software     | CipherLab: Reader Configuration, Button Assignment, Wireless Mobile Deployment System (WMDS), Android Deployment Configurator (ADC) & BarcodeToSetting, Software Trigger, Terminal Emulation, App-Lock, Airlock Browser, Signature Capture, HF RFID Configuration |  |
| Third party:             | SOTI (generic version), Xamarin Binding   |  |
| Warranty                 | 1 year  |  |

1. Minimum 8 hours under WLAN and 2D scanning per 20 seconds, LCD 50% backlight and speaker on (volume is default) at 25°C, RFID off / Bluetooth® off / IEEE 802.11 a/b/g/n/ac on. The test is based on one broadcasting packet per second.
2. The mobile computer has received general telecommunication certification for data communication. Please check with your local carrier for the optimum operating efficiency.
3. GPS function is only available for WWAN models, and NFC is optional for only 28-key models.



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