

# RK25

series





# Combining New Age Features with Classic Usability



25-key keypad with 2 function keys and 28-key keypad with 4 function keys to fulfill user demands in dedicated function assignments.



Easily add UHF RFID reading capability by attaching RK25 onto RK25 UHF RFID reader.



Reads 1D/2D barcodes, NFC cards, and RFID tags. Supports a 2D imager with 4 m long reading range.



1D IMAGER



2D IMAGER



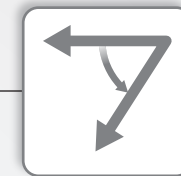
NFC



UHF RFID



4 meters



The 10° or 70° scanning angle of the reader makes on-screen data checking easy. \*70° scanning reader by request

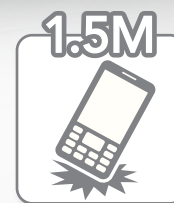
70°



Crafted battery design integrated with a latch for easy replacement. Battery replacement only requires 2 steps and 3 seconds.



IP65



1.5M



292g



LED backlight keypad



# Combining New Age Features with Classic Usability



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.

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

CipherLab's RK25 has a large display with Android management apps that is easy to operate with simple numeric keypads. The 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. 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 and 70 degree reading angles make on-screen data checking simple by allowing users to read barcodes without laying the RK25 flat. Moreover, its compact 292g, curved grip design reduces extended usage fatigue while delivering comfortable one-hand operation.

## Enterprise Usability with Updated Advancements

CipherLab RK25 is equipped with the quad-core 1.4 GHz processor and 2 GB RAM. Through its Micro SDHC card slot, the RK25's ample 16GB memory is expandable to 32GB 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.



## Resourceful Data Capture

CipherLab's RK25 offers reader versatility with linear imager, 2D imager and mid-range 2D imager, giving you long distance barcode reading capabilities over 4 m. Additionally, video and image capture is made simple with RK25's optional 8 MP camera. RK25's ability to support NFC applications of peer-to-peer and card emulation mode enables it to automate identification verification and eliminate the need of security key cards.



## RK25's Additional High-Performance UHF RFID Capabilities

CipherLab RK25 UHF RFID reader increases productivity and efficiency to inventory management in a simple and cost-effective way. It provides the RK25 with the UHF RFID reading capability with a simple snap. The RK25 UHF RFID reader, supporting the EPC Global Gen 2 v2 standards, has an excellent high-speed reading rate of more than 700 tags per second with a reading range of over 8 meters. Providing the best in class performance, it is available with software utilities including RFID Android SDK, EZConfig, and EZEdit. The RK25 UHF RFID modular solution saves users' valuable development time to deploy RFID solutions.

## Trustworthy Wi-Fi and Real-time Communication

The RK25's Wi-Fi transmission (IEEE802.11 a/b/g/n/ac) of dual band and fast roaming is the true definition of dependability in data-intensive environments such as warehouses. Furthermore, RK25's 4G/LTE can facilitate large file transmissions with high speed such as video streaming and remote access to back-end systems. Drive time is reduced with built-in GPS, GLONASS, Beidou and AGPS, providing the most accurate navigation. Communication among workers is kept at the most efficient level with instant voice connection, VoLTE with high definition voice or VoIP (PTT) with noise cancellation.



## Durability to Support Harsh Environments

The CipherLab RK25's IP65 rating, 1.5 m drop resistance and 300 tumbles at 0.5 m help support continuous work in rainy and dusty environment while fully protected against accidental drops. You don't have to worry about scratching the screen with the help of Corning Gorilla Glass. The keypad's numbers and letters have been inked with technology that won't fade with heavy usage. Moreover, it passed the durability test of one million keystrokes. On top of that, the 4000 mAh hot-swappable battery keeps the durable productivity going for long shifts in any environment.

## A Complete Set of Utilities and Software

Compatible with various self-owned and 3<sup>rd</sup> party software, the RK25 provides simple device deployment and management.



CipherLab Terminal Emulation supports systems of TN5250, TN3270 and VT100/102/220/

ANSI with full screen operation for efficient inventory management. Your business will undoubtedly save time and energy with a full-screen operation where the intuitive user interface, Wi-Fi status, battery capacity, custom font size/color and more are available at your staff's disposal. Also, Button Assignment speeds up the work process by allowing function key configuration.



CipherLab Barcode-ToSetting creates user-friendly setup

process, significantly shortening user's device setup time. Users may utilize Stage Tool to export certain configurations in the Android Development Configurator (ADC) and generate corresponding 1D/2D barcodes. With RK25's scans, all the required settings such as barcode reader, Wi-Fi, Terminal emulation, AppLock and more, are done in a matter of seconds.



With CipherLab Wireless Mobile Deployment System (WMDS), setup and synchronization is

made easy. Users may efficiently deploy device configuration settings to a large number of devices simultaneously. It also allows your staff to backup configuration with one click deployment, as well as duplicate device settings to other same Android devices.

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| Model                    | RK25                          | RK25J  |   |
|--------------------------|-------------------------------|--|---|
| Performance              | Operating system              |  | Android 7.0 with GMS (Upgradeable to Android 9.0 with GMS)/<br>Android 9.0 with GMS (Upgradeable to Android 11 with GMS)/<br>Android 11 with GMS  |
|                          | CPU                           |  | Quad-core 1.4 GHz Cortex A53  |
|                          | Memory                        |  | 2GB RAM / 16GB Flash<br>3GB RAM/ 32GB Flash <sup>1</sup>  |
|                          | 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>2</sup>    |  | minimum 8 hours (2D imager)   |
|                          | Alert                         |  | Tri-color LEDs, vibrator, speaker   |
| Interface supported      |                               | USB 2.0 OTG and charging contact   |   |
| Wireless communication   | WWAN <sup>3</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/e/d/h/i/r/k/v/w dual band  |
|                          | WLAN security                 |  | WPA, WPA2, WEP, TKIP, AES, PEAP, TTLS, TLS, PWD, SIM  |
|                          | WPAN                          |  | Bluetooth® Class II, V4.0 / V4.1/ V4.2 BLE, V2.1 with Enhanced Data Rate (EDR)  |
|                          | Bluetooth® profile            |  | GAP, SDP, HSP, SPP, GOEP, OPP, HFP, PAN, A2DP, AVRCP, GAVDP, HID, PBAP  |
|                          | GPS <sup>4</sup>              |  | GPS, Galileo, GLONASS, BeiDou, AGPS   |
| Data capture             | Barcode scanning              |  | 2D imager / Mid-Range 2D imager   |
|                          | RFID read / write (Optional)  |  | HF RFID 13.56 MHz frequency which supports ISO14443 TYPE A,B,<br>and ISO15693, 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), Corning Gorilla Glass 3, 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, SRRC, 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, 5-slot Terminal Charging Cradle, Shoulder Strap |
|                          | On request                    |  | Multi-slot Ethernet cradle, UHF RFID reader   |
| Development support      |                               | Android SDK, reader API, SAM API, Xamarin Binding  |   |
| Application software     |                               | CipherLab: Reader Configuration, Button Assignment, Wireless Mobile Deployment System (WMDS), Android Deployment Configurator (ADC) & BarcodeToSetting, ReSoftware Trigger Key, Terminal Emulation, App-Lock, Signature Capture, HF RFID Configuration, Third party: SOTI MobiControl, VMware AirWatch, Kalipso, iVanti Velocity |   |
| Warranty                 |                               | 1 year   |   |

1. Currently available for two SKUs : AK25QSLDNSUQ1 (with WIFI)/ AK25EMLDNSUQ1 (with WIFI and LTE)
2. 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.
3. The mobile computer has received general telecommunication certification for data communication. Please check with your local carrier for the optimum operating efficiency.
4. GPS function is only available for WWAN models.

## ACCESSORIES



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