CIPHERLAB
Smarter

RK25
series

android enterprise recommended

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.

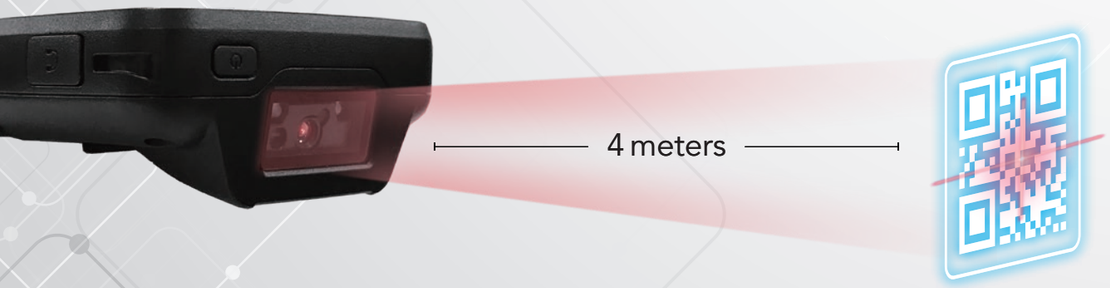
Easily add UHF RFID reading capability by attaching RK25 onto RK25 UHF RFID reader.

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

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

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



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.

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.

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.

A Complete Set of Utilities and Software

Compatible with various self-owned and 3rd 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.

RK25 series

ANDROID 7.0 | 4" CAPACITIVE TOUCH PANEL | IP65 | 1.5M MULTIPLE DROPS | Mid-Range 2D IMAGER | 2D IMAGER | NFC | NUMERIC KEYPAD | 802.11 a/b/g/n ac | 4G/LTE

Performance	Operating system	Android 7.0 with GMS (Upgradeable to Android 9.0 with GMS) / Android 9.0 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[1]	minimum 8 hours (2D imager)
	Alert	Tri-color LEDs, vibrator, speaker
	Interface supported	USB 2.0 OTG and charging contact
Wireless communication	WWAN[2]	GSM: Quad Band (850/900/1800/1900Mhz) TD-SCDMA: Band34, Band39 WCDMA: Band1, Band2, Band5, Band8 TDD-LTE: Band38, Band39, Band40, Band41 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[3]	GPS, Galileo, GLONASS, BeiDou, AGPS
Data capture	Barcode scanning	Linear imager / 2D imager / Mid-Range 2D imager
	RFID (Optional)[3]	HF RFID 13.56 MHz frequency which supports ISO14443 TYPE A,B, and ISO15693 Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera (Optional)[3]	Autofocus 8 megapixels with LED flash
Physical characteristics	Display	4" WVGA 480 (W) x 800 (H), Corning 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 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 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
	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.

ACCESSORIES

Charging and communication cradle

Charging and communication snap-on cable

Rubber boot

Vehicle cradle

Hand strap

Pistol grip

4-slot battery charger

UHF RFID Reader

CIPHERLAB Smarter

HEADQUARTERS
CipherLab Co., Ltd.
12F, 333 Dunhua S. Rd., Sec.2
Taipei, Taiwan 10669
Tel +886 2 8647 1166
Fax +886 2 8732 3300
www.cipherlab.com

CipherLab Electronics Trading (Shanghai) Co., Ltd.
J Room, 4F, No.728 West Yan'an Rd.
Changning District, Shanghai China 200050
Tel +86 21 3368 0288
Toll Free +86 400 920 0285
Fax +86 21 3368 0286

CipherLab USA Inc.
2552 Summit Ave. STE 400
Plano, Texas 75074, USA
Tel +1 469 241 9779
Toll Free +1 888 300 9779
Fax +1 469 241 0697

CipherLab Europe
Cahorslaan 24, 5627 BX
Eindhoven, The Netherlands
Tel +31 (0) 40 2990202

©2019 CipherLab Co., Ltd. All specifications are subject to change without notice. All rights reserved. All brand, product and service, and trademark names are the property of their registered owners.
TRK25X0101501 - 10/2019