

# RS31 series

Touch Mobile Computer



Performance	Operating system	Android 6.0 (GMS)
	CPU	CPU Cortex A53 Quad-core 1.3GHz
	Memory	16GB eMMC Flash/ 2GB LPDDR3 RAM
	Expansion	Micro SD card slot with SDHC support (up to 32GB)
	SIM / SAM	2 SIM slots and 1 SAM slot
	Operating power	Replaceable and rechargeable 3.85V, 2960 mAh (cell 3000 mAh) Li-ion battery
	Working hours <sup>1</sup>	10 hours
	Alert	Tri-color LEDs, vibrator, speaker
Wireless communication	Interface supported	USB 2.0 OTG and charging contact
	WWAN <sup>2</sup>	GSM/GPRS/EDGE/WCDMA/UMTS/HSDPA/HSUPA/HSPA+/LTE GSM/GPRS/EDGE: 800 / 900 / 1900 / 2100 WCDMA/UMTS/HSDPA/HSUPA: 800 / 900 / 1900 / 2100 LTE: 800 / 900 / 1800 / 2100 / 2600
	WLAN	IEEE 802.11 a/b/g/n
	WLAN security	WPA, WPA2, WEP, TKIP, AES, PEAP, TTLS, TLS, PWD, SIM
	WPAN	Bluetooth® Class II, V4.1 BLE, V2.1 with Enhanced Data Rate (EDR)
	Bluetooth® profile	GAP, SDP, HSP, SPP, GOEP, OPP, HFP, PAN, A2DP, AVRCP, GAVDP, HID, PBAP
	GPS	GPS/GLONASS, AGPS
	Barcode scanning	Linear imager / Laser / 2D imager
Data capture	RFID read / write	HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, and ISO15693 Support NFC (Peer-to-Peer, Card Reader, Card Emulation)
	Camera	Autofocus 8 megapixels with LED flash
Physical characteristics	Display	4.7" HD 720 (W) x 1280 (H), Transmissive IPS LCD, sunlight visibility
	Touch panel	Capacitive touch with stylus or bare or gloved fingertip input
	Interactive Sensor Technology	Accelerometer, Light sensor, proximity sensor, e-compass
	Keypad	Dedicated scan key, 4 programmable 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)	159 x 80 x 17.3 mm
	Weight (laser including battery)	Under 260 g (2D imager with battery)
	Operating temperature	-20°C to 50°C / -4°F to 122°F
User environment	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	1.2 m (4 ft.) multiple drops onto concrete, 6 drops on each side / IP67 / 150 tumbles at 0.5 m
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV contact discharge
	EMC regulation	CE, RCM, NCC, JRL, TBL
Development support	Android 6.0 SDK, reader API, SAM API, HTML 5 API	
Application software	Reader Configuration, Button Assignment, MDS, Software Trigger Key, Xamarin Binding, CipherLab TE, App-Lock, HTML 5 Browser, SOTI MobiControl, Kalipso	
Accessories	Charging cradle, USB snap-on cable, micro USB cable	
Warranty	1 year	

1. Minimum 10 hours under WLAN and laser 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 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.

## ACCESSORIES



Charging cradle



USB snap-on cable

**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 400 920 0285  
Fax +86 21 3368 0286

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

**CipherLab Europe**  
Flight Forum 40,  
5657 DB Eindhoven,  
The Netherlands  
Tel +31 (0) 40 2951510



**CIPHER LAB**  
Smarter

# RS31 series



## Enterprise Smartphone with an Industrial Design

CipherLab has manufactured the RS31 series to satisfy the needs of the customer-facing mobile workers in field sales, field service, retail and healthcare industries. The RS31 series touch mobile computer is a touch-centric smartphone with built-in multi-touch panel operating on the Android 6.0 operating system. It has IP67 ruggedness and 1.2 m drop resistance to safely protect it from harsh environments. Moreover, the RS31 series can operate over a shift without worrying about insufficient battery life and always make workers well-connected with its stable wireless communication of IEEE 802.11 a/b/g/n and LTE to complete all tasks in a timely manner.

