

RS31 series



New Generation of Enhanced User Experience

CipherLab has constructed the RS31 series as the new generation mobile computers with evolved specifications that satisfies the demanding industries of the field sales, field service, retail and healthcare. CipherLab adds special touches to the already resourceful RS30 and evolved it into the new and improved RS31. Its touch-centric control functions and improved features are protected with an even stronger and more durable design. Its dominating operating power with faster wireless connection enables an enhanced user experience. CipherLab RS31 offers everything your operation needs for a faster and smarter workflow.



RS31 series

Touch Mobile Computer



Performance	Operating system	Android 7.0 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 Li-ion battery (cell 3000 mAh)
	Working hours ¹	12 hours (laser)/ 10 hours (2D imager)
	Alert	Tri-color LEDs, vibrator, speaker
	Interface supported	USB 2.0 OTG and charging contact
Wireless communication	WWAN ²	GSM/GPRS/EDGE/WCDMA/UMTS/HSDPA/HSUPA/HSPA+/LTE GSM/GPRS/EDGE: 850 / 900 / 1800 / 1900 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	Built-in GPS, GLONASS, BeiDou, AGPS
Data capture	Barcode scanning	Linear imager / Laser / 2D imager
	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, Dragontrail™ glass
	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	Under 260 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	1.2 m (4 ft.) multiple drops onto concrete, 6 drops on each side / IP67 / 150 tumbles at 0.5 m With protective boot: SGS certified 1.5 m (5 ft.) multiple drops onto concrete, 6 drops on each side / IP67 / 300 tumbles at 0.5 m
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV contact discharge
	Regulatory compliance	CE, RCM, NCC, JRL, TBL RoHS, REACH, WEEE, ErP
Development support	Android 6.0 SDK, reader API, SAM API, HTML 5 API	
Application software	Reader Configuration, Programmable keys, Mobile Deployment Suite, Software Trigger Key, Xamarin Binding, CipherLab TE, App-Lock, HTML5 (Browser and API), SOTI MobiControl, Kalipso	
Accessories	Charging cradle, 4-slot battery charger, USB snap-on cable, micro USB cable, Protective boot	
Warranty	1 year	

- Minimum 12/10 hours under WLAN and laser/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 on. The test is based on one broadcasting packet per second.
- 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



4-slot Battery Charger



Protective Boot



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