

RS31^{series}

Touch Mobile Computer



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|--------------------------|----------------------------------|--|
| Performance | Operating system | Android 6.0 (GMS) |
| | CPU | CPU Cortex A53 Quad-core 1.5GHz |
| | 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 ¹ | 10 hours |
| | Alert | Tri-color LEDs, vibrator, speaker |
| Wireless communication | Interface supported | USB 2.0 OTG and charging contact |
| | WWAN ² | 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 |
| | Display | 4.7" HD 720 (W) x 1280 (H), Transmissive IPS LCD, sunlight visibility |
| Physical characteristics | 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 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



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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 rugged smart device of which the touch-centric user interface is just like any other smartphone. Additionally, the ruggedness of the RS31 series safely protects its powerful features from harsh environments. Moreover, the RS31 series is capable of operating over a shift without worrying about insufficient battery life. Simply put, the RS31 is a full function touch mobile computer which is designed with the enterprise' needs in mind.

