

CIPHER LAB
Smarter

RS50 series



Android Touch Computer Gets Smart

In recent times, smart phone technology is gaining popularity beyond the casual users and making way into the workplace. As smart phones become more practical, CipherLab timely developed the RS50 rugged Android Touch Computer to provide a true mobile office solution with high-end market standards for enterprises with smartphone users. CipherLab's RS50 Android Touch Computer brings a sense of familiar usability that can streamline data collection with one simple device. Along with reliable Wi-Fi transmission, the RS50 gives users extraordinary mobility inside and outside the four walls.



Resourcefulness Starts Here

CipherLab's RS50 Android Touch Computer is the device that will satisfy your enterprise's everyday demands. Not only does the RS50 have a strong processing power, it also has ample memory space you will need for applications. This powerful touch computer is built for toughness with long operational power. In addition to these advantages, the RS50 Android Touch Computer provides resourceful applications and accessories that ensure continuous productivity no matter the operation is in the office or out in the field.



High-end User-friendly Smartphone Experience

CipherLab's RS50 series is the device that perfectly blends personal usability and commercial smartphone functionality. Its 4.7" display with auto-adjustable backlight and sunlight visibility allows users to gather information in any environment. Moreover, the multi-touch panel with stylus inputs is designed to fill field worker's demands to support wet or gloved finger operations. The Android 6.0 OS certified with GMS gives the RS50 the advanced advantages in operation speed, power efficiency and data security. Top it all off with Google Mobile Services (GMS), field workers can integrate Google applications such as Gmail and Google Maps to fully accomplish their tasks in any situation.

Streamline Data Capture

CipherLab's RS50 Android Touch Computer is fully equipped with a 1D/2D barcode reader with the comprehensive abilities to capture data in milliseconds even if the barcode is poorly printed. Users can enjoy the easy capture of high-resolution photos, videos, and signature capture with RS50's 8MP camera for proof of delivery and service. Additionally, it has HF RFID (13.4 MHz) capabilities while supporting contactless NFC applications of peer-to-peer mode and card emulation. As NFC automates the identity verification process, our versatile data collection solution easily streamlines your operations.



The Ultimate Mobility Experience

CipherLab's RS50 is built with the most reliable Wi-Fi and LTE connections to provide constant connection to corporate systems for instant notifications of assignments, route instructions and other daily responsibilities. Its Wi-Fi transmission and strong roaming support can handle a maximum 433 Mbps at 5 GHz and 90 Mbps at 2.4 GHz for constant back-end system connection and immediate system updates with real-time dynamic dispatch. RS50's advance LTE can further facilitate large file transfer, video streaming and remote access to back end systems. Along with GPS/AGPS, RS50 has great accuracy of navigation which enables smart routes and improves accuracy of real-time job dispatches. Management also has Push-to-talk function to maintain efficient and timely communication with field operators.

Raising the Bar on Power, Values and Toughness

The RS50's 2.0 GHz octa-core processor coupled with 2GB RAM and 16GB flash memory ensures full access to any application for business success without worrying about storage space. CipherLab Mobile Deployment System (MDS) provides an easy platform for setup, upgrades, synchronizations, and device settings. CipherLab App-Lock allows managers to prevent inappropriate operations to ensure full productivity from field operators. These powerful applications are well protected with RS50's IP65/67 ratings and 1.8 m drop resistance while being able to sustain 1,000 tumbles at 1 m. Additional protection from Dragontrail™ Glass prevents wear and tears for clear readability. RS50 also comes with the options of 4000 and 5300 mAh batteries which can respectively operate at a minimum of 12 hours. Combined with hot-swap function and a back-up battery, The RS50 operational power can withstand long shifts while providing smooth operation without data loss concerns.





Resourcefulness Starts Here

CipherLab's RS50 Android Touch Computer is the device that will satisfy your enterprise's everyday demands. Not only does the RS50 have a strong processing power, it also has ample memory space you will need for applications. This powerful touch computer is built for toughness with long operational power. In addition to these advantages, the RS50 Android Touch Computer provides resourceful applications and accessories that ensure continuous productivity no matter the operation is in the office or out in the field.



High-end User-friendly Smartphone Experience

CipherLab's RS50 series is the device that perfectly blends personal usability and commercial smartphone functionality. Its 4.7" display with auto-adjustable backlight and sunlight visibility allows users to gather information in any environment. Moreover, the multi-touch panel with stylus inputs is designed to fill field worker's demands to support wet or gloved finger operations. The Android 6.0 OS certified with GMS gives the RS50 the advanced advantages in operation speed, power efficiency and data security. Top it all off with Google Mobile Services (GMS), field workers can integrate Google applications such as Gmail and Google Maps to fully accomplish their tasks in any situation.



Streamline Data Capture

CipherLab's RS50 Android Touch Computer is fully equipped with a 1D/2D barcode reader with the comprehensive abilities to capture data in milliseconds even if the barcode is poorly printed. Users can enjoy the easy capture of high-resolution photos, videos, and signature capture with RS50's 8MP camera for proof of delivery and service. Additionally, it has HF RFID (13.4 MHz) capabilities while supporting contactless NFC applications of peer-to-peer mode and card emulation. As NFC automates the identity verification process, our versatile data collection solution easily streamlines your operations.



The Ultimate Mobility Experience

CipherLab's RS50 is built with the most reliable Wi-Fi and LTE connections to provide constant connection to corporate systems for instant notifications of assignments, route instructions and other daily responsibilities. Its Wi-Fi transmission and strong roaming support can handle a maximum 433 Mbps at 5 GHz and 90 Mbps at 2.4 GHz for constant back-end system connection and immediate system updates with real-time dynamic dispatch. RS50's advance LTE can further facilitate large file transfer, video streaming and remote access to back end systems. Along with GPS/AGPS, RS50 has great accuracy of navigation which enables smart routes and improves accuracy of real-time job dispatches. Management also has Push-to-talk function to maintain efficient and timely communication with field operators.



Raising the Bar on Power, Values and Toughness

The RS50's 2.0 GHz octa-core processor coupled with 2GB RAM and 16GB flash memory ensures full access to any application for business success without worrying about storage space. CipherLab Mobile Deployment System (MDS) provides an easy platform for setup, upgrades, synchronizations, and device settings. CipherLab App-Lock allows managers to prevent inappropriate operations to ensure full productivity from field operators. These powerful applications are well protected with RS50's IP65/67 ratings and 1.8 m drop resistance while being able to sustain 1,000 tumbles at 1 m. Additional protection from Dragontrail™ Glass prevents wear and tears for clear readability. RS50 also comes with the options of 4000 and 5300 mAh batteries which can respectively operate at a minimum of 12 hours. Combined with hot-swap function and a back-up battery, The RS50 operational power can withstand long shifts while providing smooth operation without data loss concerns.



RS50 series

Rugged Android Touch Computer



Performance	Operating system	Android 6.0 (GMS)	
	CPU	Octa-core Cortex A53 Up to 2.0 GHz	
	Memory	16 GB Flash / 2 GB 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 3.8V 4000 mAh Li-ion battery	Replaceable and rechargeable 3.8V 5300 mAh Li-ion battery
	Working hours ¹	Minimum 12 hours ¹	Minimum 16 hours ¹
	Alert	Tri-color LEDs, vibrator, speaker	
Wireless communication	Interface supported	USB 2.0 OTG and charging contact	
	WWAN ²	GSM / GPRS / EDGE / WCDMA / HSPA / HSPA+ / LTE CAT6 Worldwide GSM : 850/900/1800/1900 Americas GSM : 850/900/1800/1900 UMTS : 850/900/1900/2100 UMTS : 850/900/AWS(1700)/1900/2100 FDD LTE : 800/900/1800/2100/2600 (FDD 20,8,3,1,7) FDD LTE : 700/850/1700/1900/2600 TDD LTE : 2600 (TDD 38) (FDD 13,17,5,4,2,7)	
	WLAN	IEEE 802.11 a/b/g/n/ac dual band	
	WLAN security	WEP, WPA (PSK, TKIP), WPA2 (AES, PSK), WPA-1X (TKIP,EAP-TLS, PEAP), WPA2-1X (AES, EAP-TLS, PEAP) ,802.1x(EAP-TLS, PEAP) AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI	
	WPAN	Bluetooth® Class II, V4.1 dual mode, 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	
	Barcode scanning	2D imager	
Data capture	RFID read / write	HF RFID 13.56 MHz frequency which supports ISO14443A, ISO14443B, ISO15693, Felica Support NFC (Peer-to-Peer, Card Reader, Card Emulation)	
	Camera	Autofocus 8 megapixels (F2.0) with user-controllable flash	
	Display	4.7" HD 720 (W) x 1280 (H), Capacitive touch supports bare/wet/gloved finger and stylus inputs	
	Interactive Sensor Technology	Light sensor, proximity sensor, accelerometer, e-compass	
	Keypad	Dedicated scan key, 4 programmable keys, volume up and down keys, left and right trigger keys, power key	
	Voice and Audio	VoLTE & HD voice support; Speaker, dual array microphones with echo and noise cancellation	
	Size (LxWxH)	162 x 80 x 26 mm	
	Weight (including battery)	330 g	365 g
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	1.8 m (6 ft.) multiple drops onto concrete, 6 drops on each side, IP65/ IP67/ 1000 tumbles at 1 m	
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV contact discharge	
	EMC regulation	CE, Green, NCC, FCC, BC	
		RoHS, REACH, WEEE, ErP	
	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, HTML5 (Browser and API), SOTI MobiControl, Kalipso	
Accessories		Charging and Communication cradle (USB or Ethernet), USB snap-on cable, 4-slot battery charger, Pistol Grip 4-slot terminal charger with optional Ethernet function (TBD)	
Warranty		1 year	

1. Minimum 12/16 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 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.

ACCESSORIES			
	Charging and Communiication Cradle		
			
	USB snap-on cable		
			
		4-slot Battery Charger	



RS50 series



Android Touch Computer Gets Smart

In recent times, smart phone technology is gaining popularity beyond the casual users and making way into the workplace. As smart phones become more practical, CipherLab timely developed the RS50 rugged Android Touch Computer to provide a true mobile office solution with high-end market standards for enterprises with smartphone users. CipherLab's RS50 Android Touch Computer brings a sense of familiar usability that can streamline data collection with one simple device. Along with reliable Wi-Fi transmission, the RS50 gives users extraordinary mobility inside and outside the four walls.



Legacy Technology Services

We Rent & Sell All Types Of Barcode Equipment

Call now to talk to an expert

866-271-9891

www.LegacyGlobal.com

Some brands we carry



MOTOROLA

Intermec

DATALOGIC™

Honeywell

EQUINOX
PAYMENTS



About us

- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.
- For over a decade, thousands of clients across North America have trusted us to provide equipment from leading manufacturers backed by the services to support them.

Latest Hardware from top manufacturers

- Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

Expert Repair and Maintenance services

- Legacy is one of the best repair facilities in North America

Discontinued product sourcing

- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

Trade-in and Disposal services

- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
 - Data destruction
 - Hardware disposal
 - Auditing services

Dedicated client account team

- Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

Equipment rental services

- Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.



Legacy, Inc.

160 West Road,
Ellington, CT 06029

Toll Free: 866-271-9891

Fax: 888-522-4684