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CipherLab RS38,  
RS38WO Mobile  
Computer



## CipherLab RS38, RS38WO Mobile Computer User Guide

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CipherLab RS38, RS38WO Mobile Computer



### **Product Specifications:**

- Compliance: FCC Part 15

### **Product Usage Instructions**

#### **FCC Compliance:**

**Ensure compliance with FCC regulations by following these guidelines:**

- Reorient or relocate the receiving antenna if necessary.
- Increase the separation between the equipment and receiver to avoid interference.
- Connect the equipment into an outlet on a different circuit from the receiver.
- Seek assistance from a dealer or experienced radio/TV technician if needed.
- Avoid co-locating or operating the transmitter with other antennas or transmitters.

#### **Powering On the Device:**

**To use the device:**

1. Ensure the device is connected to a power source.
2. Turn on the device using the power button or switch.

#### **Adjusting Settings:**

**Customize the device settings as needed:**

1. Access the settings menu on the device.
2. Use the navigation buttons to navigate through settings.
3. Make adjustments and confirm changes as required.

## **Troubleshooting:**

### **If you encounter issues:**

- Refer to the user manual for troubleshooting tips.
- Contact customer support for further assistance.

## **Frequently Asked Questions (FAQ):**

### **1. Q: What should I do if the device causes interference?**

A: If interference occurs, try reorienting the antenna, increasing separation from other equipment, or consulting a professional for help.

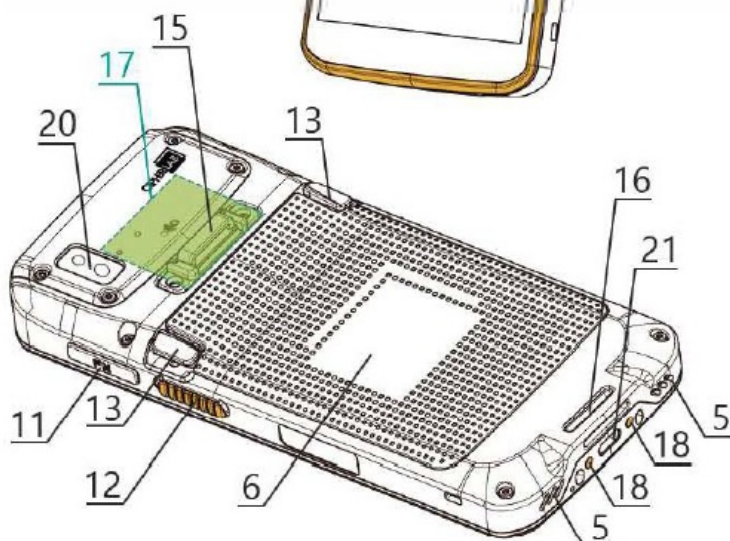
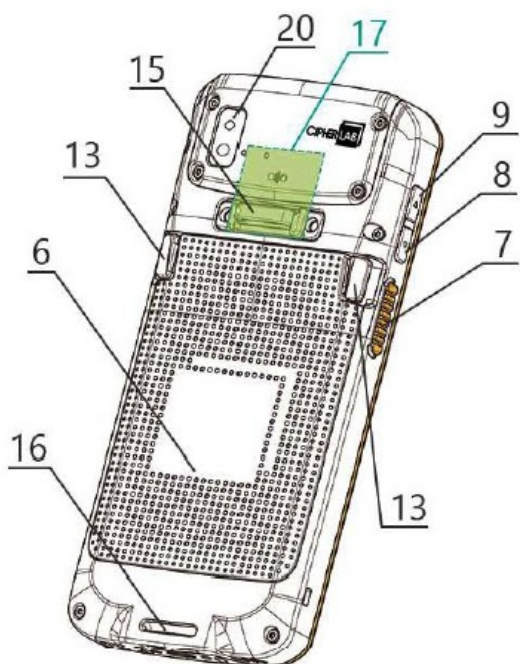
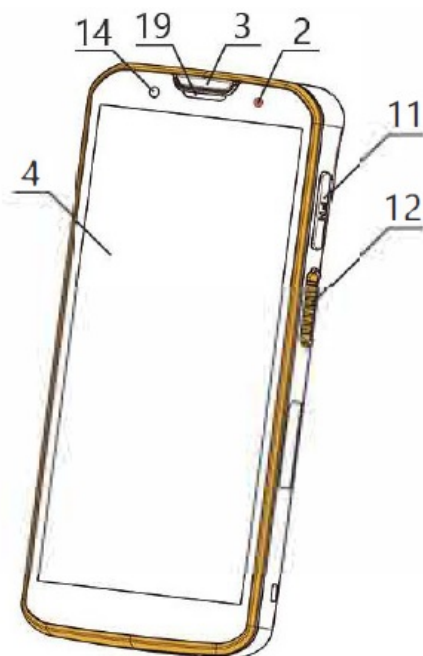
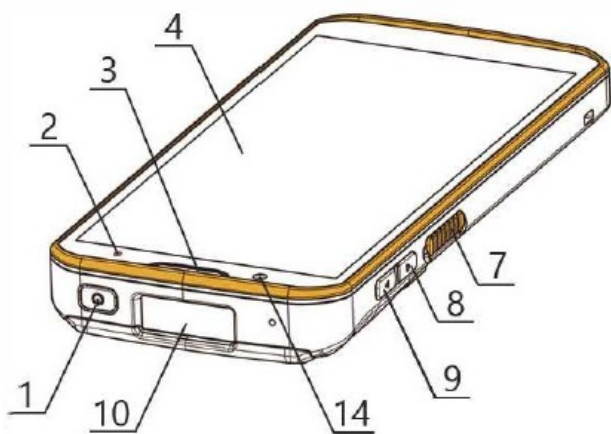
### **2. Q: Can I modify the device without approval?**

A: Any changes not approved may void your authority to operate the equipment. Seek approval before modifications.

## **Open Your Box**

- RS38 Mobile Computer
- Quick Start Guide
- Hand Strap(Optional)
- AC Adapter(Optional)
- USB Type-C Cable(Optional)

## **Overview**



1. Power Button
2. Status LED1
3. Status LED2
4. Touchscreen
5. Microphone & Speaker
6. Battery
7. Side-Trigger (Left)
8. Volume Down Button
9. Volume Up Button
10. Scan Window
11. Function Key
12. Side-Trigger (Right)
13. Battery Release Latch
14. Front Camera
15. Hand Strap Hole (Cover)
16. Hand Strap Hole
17. NFC Detection Area
18. Charging Pins
19. Receiver

20. Rear Camera with Flash

21. USB-C Port

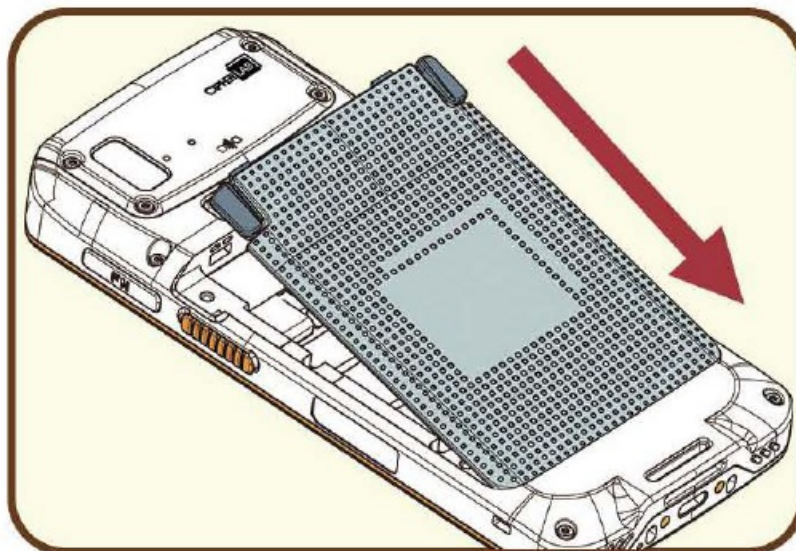
**USB** : 3.1 Gen1  
SuperSpeed

Battery Information		
	Standard Battery	Extended Battery
<b>Power Supply</b>	Input : AC 100-240V, 50/60 Hz Output : DC 5V, 2A CipherLab approved	
<b>Battery Pack</b>	Battery Model : BA-0174A5 3.87V, 4500mAh	Battery Model : BA-0176A8 3.87V, 6800mAh
	CipherLab proprietary Li-Po	
<b>Charging Time</b>	Approx. 3.5 hours	Approx. 4.5 hours

### Install the Battery

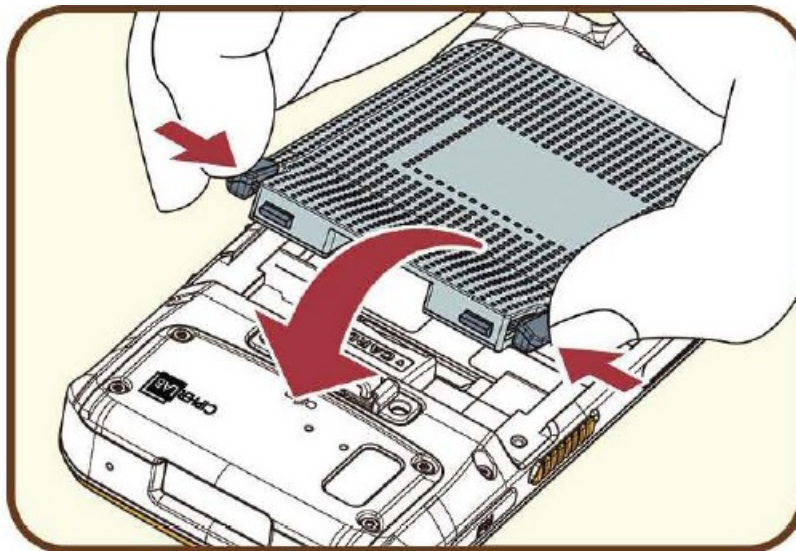
#### Step 1:

Insert the battery from the lower edge of the battery into the battery compartment.



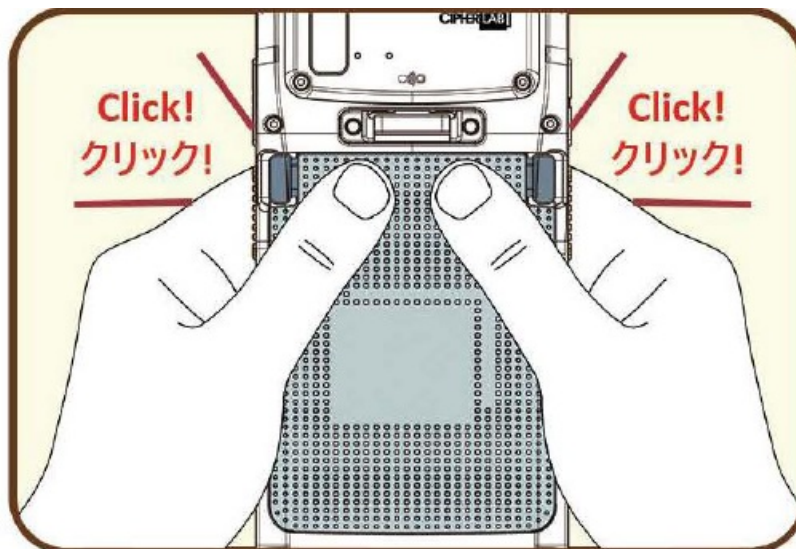
#### Step 2:

Press down on the upper edge of the battery while holding the release latches on both sides.



**Step 3:**

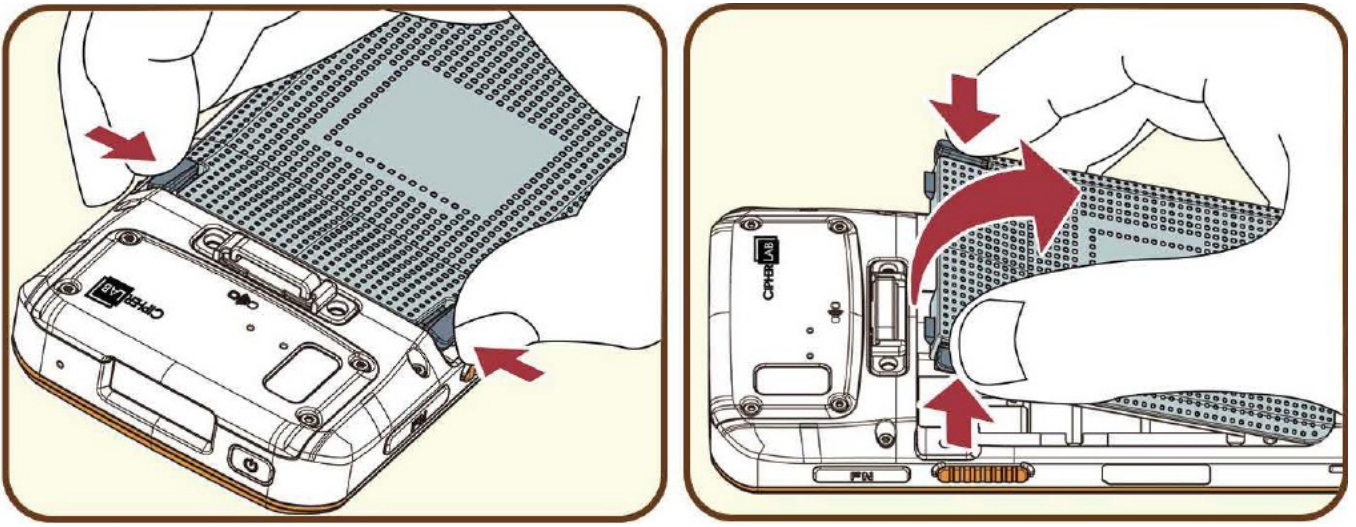
Firmly press down on the battery until a click is heard, ensuring the battery release latches are fully engaged with the RS38.



**Remove the Battery**

**To remove the battery:**

Press and hold the release latches on both sides to release the battery, and simultaneously lift the battery out to remove it.

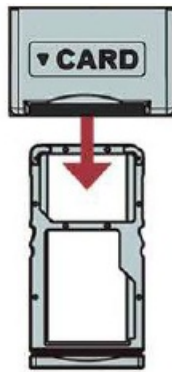


## Install SIM & SD Cards

To install the SIM and SD cards

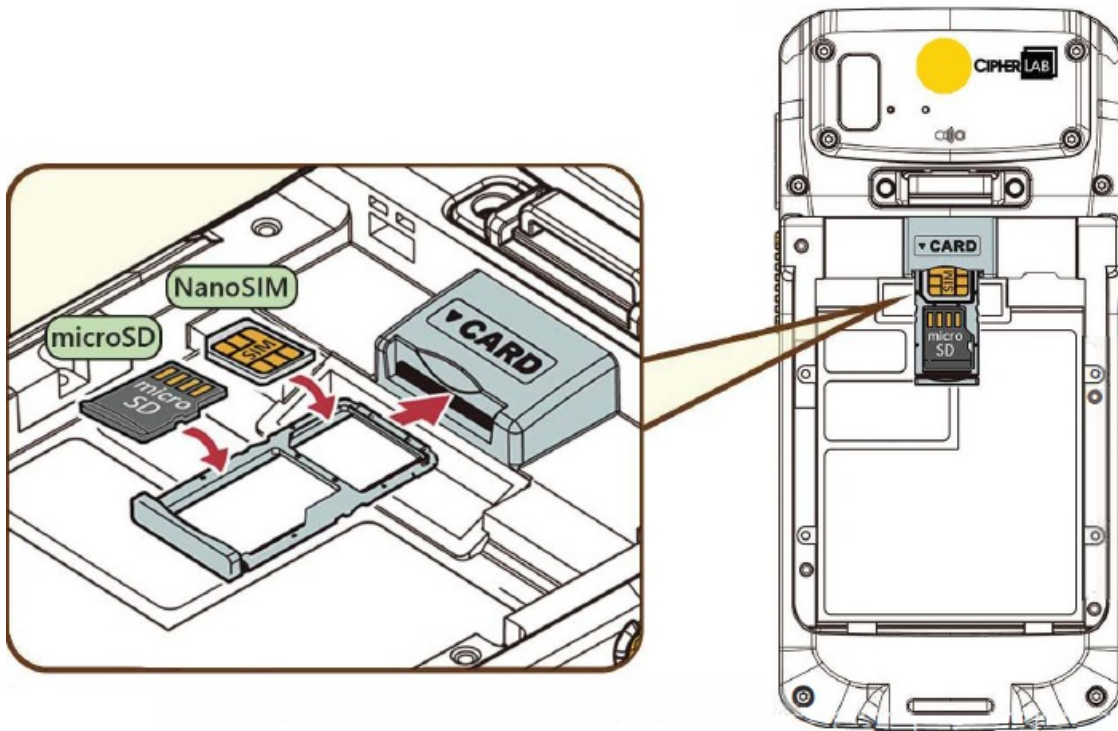
### Step 1:

Pull out the SIM and SD card tray holder from the battery compartment.



### Step 2:

Securely place the SIM card and SD card on the tray in the correct orientation.

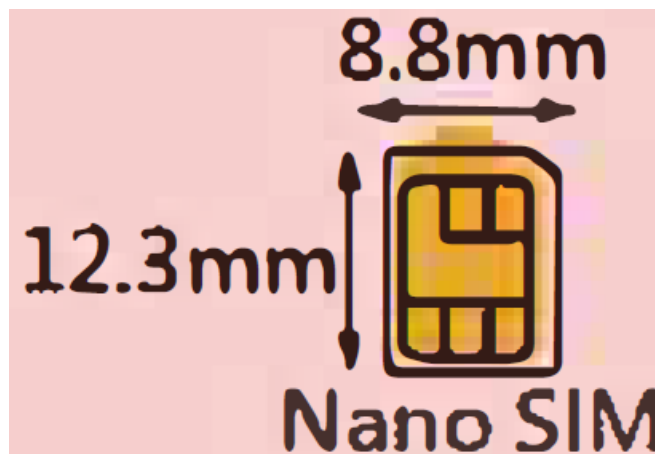


**Step 3:**

Gently push the tray back into the slot until it fits into place.

**Note:**

RS38 Mobile Computer only supports Nano SIM card, and the Wi-Fi only model does not support SIM card.

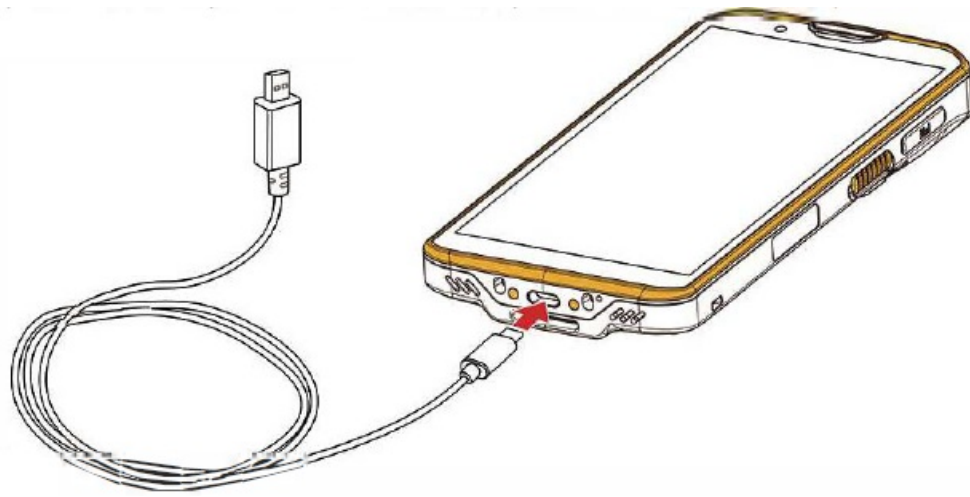


**Charging & Communication**

**By USB Type-C Cable:**

Insert a USB Type-C Cable into the port at the bottom of the RS38 mobile computer. Connect the plug either to an approved adapter for external power connection, or to a PC/Laptop for charging or data transmission.





**CAUTION :**

**USA (FCC)**

This device complies with Part 15 of the FCC Rules.

**Operation is subject to the following two conditions:**

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**FOR PORTABLE DEVICE USAGE (<20m from body/SAR needed)**

**Radiation Exposure Statement:**

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

**For 6XD (Indoor Client)**

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

**Canada (ISED) :**

This device complies with ISED s licence-exempt RSSs.

**Operation is subject to the following two conditions:**

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

**Caution :**

1. the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

**Radiation Exposure Statement:**

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

**RSS-248 Issue 2 General Statement**

Devices shall not be used for control of or communications with unmanned aircraft systems.

**EU / UK (CE/UKCA)**

**EU Declaration of Conformity**

Hereby, CIPHERLAB CO., LTD. declares that the radio equipment type RS36 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:  
[www.cipherlab.com](http://www.cipherlab.com)

**UK Declaration of Conformity**

Hereby, CIPHERLAB CO., LTD. declares that the radio equipment type RS36 is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017. The full text of the UK Declaration of Conformity may be found at h at the following internet address: [www.cipherlab.com](http://www.cipherlab.com) The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

**RF Exposure warning**

This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/Kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For next-to-body operation, this device has been tested and meets the ICNRP exposure guidelines and the European Standard EN 50566 and EN 62209-2. SAR is measured with the device directly contacted to the body while transmitting at the highest certified output power level in all frequency bands of the mobile device.

AT	BE	BG	CH	CY	CZ	DK	DE
EE	EL	ES	FI	FR	HR	HU	IE
IS	IT	LT	LU	LV	MT	NL	PL
PT	RO	SI	SE	SK	NI		



**All operational modes:**

Technologies	Frequency range (MHz)	Max. Transmit Power
GSM 900	880-915 MHz	34 dBm
GSM 1800	1710-1785 MHz	30 dBm
WCDMA Band I	1920-1980 MHz	24 dBm
WCDMA Band VIII	880-915 MHz	24.5 dBm
LTE Band 1	1920-1980 MHz	23 dBm
LTE Band 3	1710-1785 MHz	20 dBm
LTE Band 7	2500-2570 MHz	20 dBm
LTE Band 8	880-915 MHz	23.5 dBm
LTE Band 20	832-862 MHz	24 dBm
LTE Band 28	703~748MHz	24 dBm
LTE Band 38	2570-2620 MHz	23 dBm
LTE Band 40	2300-2400 MHz	23 dBm
Bluetooth EDR	2402-2480 MHz	9.5 dBm
Bluetooth LE	2402-2480 MHz	6.5 dBm
WLAN 2.4 GHz	2412-2472 MHz	18 dBm
WLAN 5 GHz	5180-5240 MHz	18.5dBm
WLAN 5 GHz	5260-5320 MHz	18.5 dBm
WLAN 5 GHz	5500-5700 MHz	18.5 dBm
WLAN 5 GHz	5745-5825 MHz	18.5 dBm

NFC	13.56 MHz	7 dBuA/m @ 10m
GPS	1575.42 MHz	

The adapter shall be installed near the equipment and shall be easily accessible.

#### **CAUTION**

Risk of explosion if battery is replaced by an incorrect type.  
Dispose of used batteries according to the instructions.

#### **Japan (TBL / JRL) :**

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## Documents / Resources



[CipherLab RS38, RS38WO Mobile Computer](#) [pdf] User Guide  
Q3N-RS38, Q3NRS38, RS38 RS38WO Mobile Computer, RS38 RS38WO, Mobile Computer, C  
omputer

## References

-  [CipherLab | Bring intelligence to your business](#)
- [User Manual](#)

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