User Manual

xTablet T1195

MobileDemand

Achieve More

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User Manual
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Contents

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Revision History

Version: 1.0
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FCC-B Radio Frequency Interference Statement

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 radiates 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 or more 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.

NOTE

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Shield interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

FCC/IC RF Radiation Exposure and SAR Statements:

The xTablet T1195 has been tested for body-worn Specific Absorption Rate (SAR) compliance. The FCC/IC has established detailed SAR requirements and has established that these requirements. This model meets the applicable government requirements for exposure to radio frequency waves. The highest reported SAR level for usage near the body (0mm) is 0.961 W/kg, and for the simultaneous transmission is 1.598W/kg.

IC Statements

This device complies with Industry Canada RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. il ne doit pas produire de brouillage et
2. l' utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fomctionnement du dispositif.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

CE Conformity

This device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive.

Hereby, We declare that Tablet supports BT, WIFI, 4G and GNSS functions. It is in conformity with the relevant union harmonization legislation: Radio Equipment Directive: 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://www.mobiledemand.com/

Specific Absorption Rate information
This product meets the applicable national or international RF exposure guidance (SAR guideline) when used normally against your head or, when worn or carried, at a distance of 5 mm from the body. The SAR guideline includes a considerable safety margin designed to assure the safety of all persons, regardless of age and Health.
Specific absorption rate
YOUR DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.
The highest SAR values under the ICNIRP guidelines for your device model are listed below:
Body-worn SAR: 1.082 W/kg

Battery Regulations

European Union: Batteries, battery packs, and accumulators should not be disposed of as unsorted household waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.

BSMI: For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

California, USA: The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California.
For further information please visit: https://dtsc.ca.gov/perchlorate/

Safety Guideline for Using Lithium Battery
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

WEEE Statement

European Union: Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

Safety Instructions

Read the safety instructions carefully and thoroughly. All cautions and warnings on the equipment or user's manual should be noted.

Keep this equipment away from humidity and high temperature.

The openings on the enclosure are used for air convection to prevent the equipment from overheating. Do not cover the openings.

- Do not leave the equipment in an unconditioned environment with a storage temperature above 60ºC (140ºF) or below -20ºC (-4ºF), which may damage the equipment.
- This unit should be operated under maximum ambient temperature of 50ºC (122ºF) or under 60ºC (140ºF) for light loading applications.

Followings are requirements of battery storage:

1. Storage temperature up to 3 months should remain between -20º ~45ºC ;
   Storage temperature of 3 months to 1 year should remain between 23º± 2ºC.
2. The battery capacity should remain at 30 ± 5%.
3. The storage humidity should remain at 65 ± 25%RH.
4. The battery charging temperature 10º ~45ºC , discharging temperature -20º ~60ºC.
5. For the maximum battery discharging performance, storage temperature = 25ºC.

Make sure the power voltage is within safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet.

- Always unplug the AC power cord before installing any add-on card or module to the equipment.
- Always disconnect the AC power cord or uninstall the battery pack or switch off the wall socket if the equipment would be left unused for a certain time to achieve zero energy consumption.

Place the power cord in a way that people are unlikely to step on it. Do not place anything on top of the power cord.

Always keep strong magnetics or electrical objects away from the tablet.

To avoid damage or electrical shock never pour liquid into the opening.

If any of the following situations arise, have the equipment checked by a service personnel:

- The power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment is no longer working properly.
- The equipment was dropped and damaged.
- The equipment has obvious signs of breakage.

Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.

Introduction

Congratulations on the purchase of MobileDemand's rugged xTablet® T1195. Designed and tested to meet our exacting standards ensures dependability and customer satisfaction.

Refer to this manual to guide you through the basic functions and features.

Unpacking

Unpack the shipping carton and check all items carefully. If any item is damaged or missing contact your local dealer immediately. Please keep the box and packing materials in the event you need to ship the unit. The package should contain the following items:

- xTablet T1195
- AC/DC adapter and AC power cord
- Hand strap
- Brief case handle
- Stylus (optional)
- Stylus holder (optional)
- Quick Start Manual (optional)

Product Overview

Front View

1. Front Camera

2. Status LEDS

A. Power
- LED glows when the tablet power is turned on.
- LED flashes when the tablet goes to the sleep state.
- LED goes off when the tablet is turned off.

B. Wireless LAN (WiFi)
- LED glows when WLAN (WiFi) function is enabled.
- LED goes off when this function is disabled.

C. Battery
- LED glows when the battery is being charged.
- LED goes out when the battery is fully charged or when the AC/DC adapter is connected.
- LED blinks slowly when battery capacity is lower than 7%.
- LED blinks fast when there's a battery error.

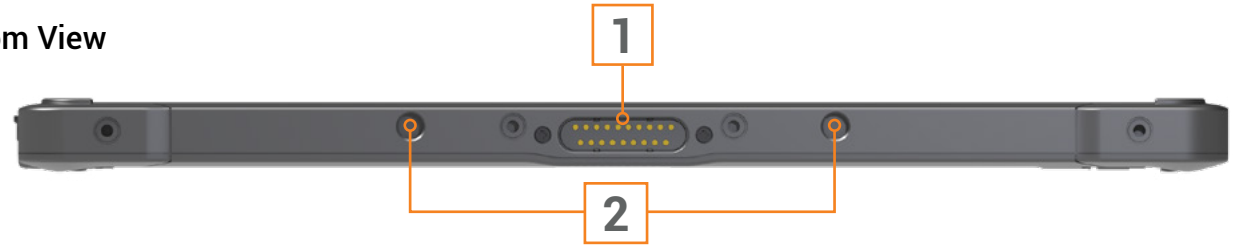
3. Touch Screen
   The touch screen will automatically orient itself and expand to fit the display whenever the display is rotated.

4. Internal Microphone

Top View

1. Power Button
   The xTablet T1195 must be connected with AC power before being powered on for the first time.
   Press and hold the power button for 8 seconds to shut down the tablet.
2. Barcode Scanner (optional)

Bottom View

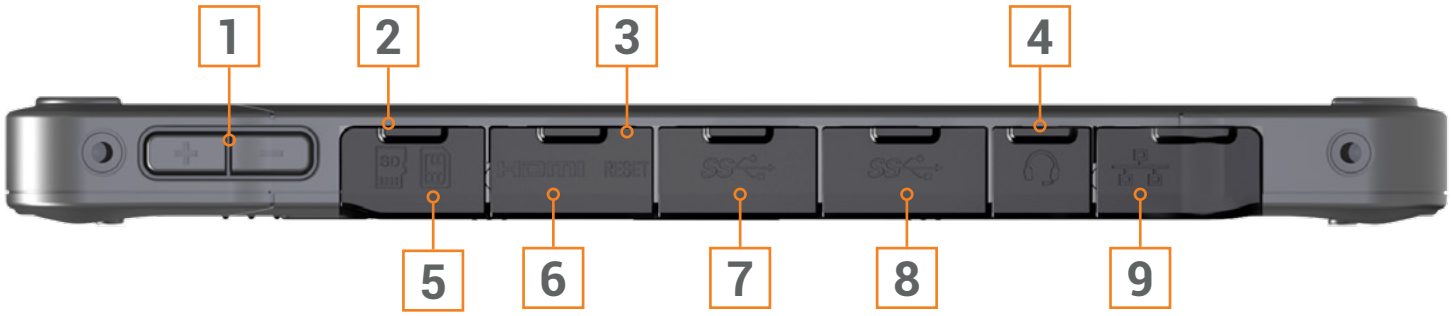


1. 19 Pogo Pin Dock Connector
   Connect with external Docking station to increase more I/O functions.
2. Guide Pin Holes
   Used for locking the guide pins on the dock.

Right Side View

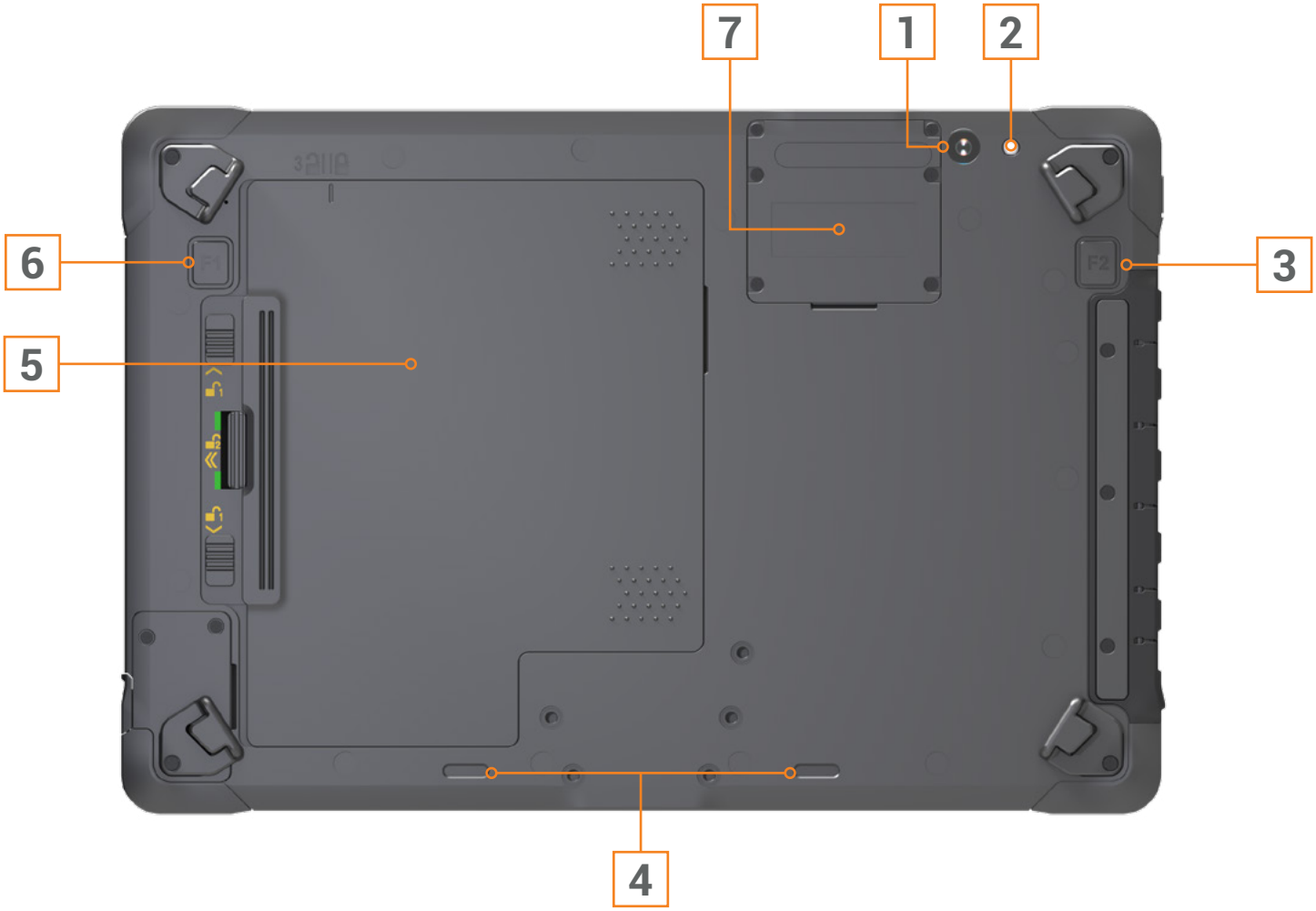
1. DC-in Jack
   The electrical connector for supplying direct current (DC) power.
2. Kensington Lock
   Allows users to secure tablet in place.

Left Side View



1. Volume Up + / Volume Down - Button
2. Nano SIM Card Reader
   The built-in card reader supports various types of 4G/LTE
3. Reset Hole
   Insert straightened paperclip into the reset hole if tablet cannot be turned off normally or is unresponsive after pressing power button for 8 seconds.
   NOTE: AC power must be connected before restarting the tablet.
4. Headphone Jack
   Port for connecting to speakers or headphones.
5. Micro SD Card Reader
   The built-in card reader supports SD cards.
6. Micro HDMI Port
   Micro HDMI (High-Definition Multimedia Interface) technology is the industry-leading interface and de-facto standard connecting high-definition equipment.
7. USB 3.1 Gen2 (Type A)
   USB 3.1 Gen 2, the Super Speed USB, supports high-speed data transfer for the connected devices, such as storage devices, hard drives, or video cameras.
8. USB 3.1 Gen2 (Type C)
   USB 3.1 Gen 2, the Super Speed USB, supports high-speed data transfer for connected devices such as storage devices, hard drives, or video cameras.
   The slim, sleek USB Type C connector offers reversible plug orientation and supports 5V/1.5A portable charging power when AC power is connected. However, the maximum portable charging power limitation may be up to 5V/1.5A while DC power is connected.
   Includes Power Deliver (PD) In (PD-IN), and Display Port out.
9. RJ-45 Connector
   The Ethernet connector, with bandwidths 10/100/1000 Mbps, is used to connect a LAN cable for network connection.

Back View



1. Rear Camera
   This built-in rear camera can be used for photos, video recording, conferencing, and other interactive applications.
2. Flash
3. F2 Function
   Programmable function key and default setting is Barcode Scanner trigger function. (optional)
   User Defined programmable function key.
4. Speakers
5. Battery
6. F1 Function
7. LTE and barcode assembly door

Specifications

The specifications listed here are for reference only, and may change without notice.

DIMENSIONS	11.16 in (W) x 7.56 in (H) x .59 in (D) 283.4 mm (W) x 192.0 mm (H) x 15 mm (D)
WEIGHT	2.3lb | 1.04kg
DISPLAY	10.1 in - WUXGA 1920 (W) x 1200 (H) IPS Sunlight viewable 800 nits
CPU	Intel® N100; 4 Cores 4 Threads, Max Turbo Frequency 3.40GHz
MEMORY	16GB LPDDR5
STORAGE	256GB SSD PCIE M.2, Optional 512GB, 1TB
O/S	Windows 11 Pro Windows 11 Enterprise IoT LTSC 2024
RUGGEDIZED	
MIL-STD 810G	(5' drop)
Sealing	IP65 (dust and water)
1M Tumble Test	(40x)
Steel Ball Drop Test	(25mm diameter, 250gm from 50cm)
Screen Protector	Oleophobic, scratch-resistant glass
Operating Temp	14° F to +122° F (-10° C to +50° C)
Storage Temp	-4° F to +140° F (-20° C to +60° C)
Operating Humidity	5% to 95%
I/O PORTS	USB 3.1 Gen2 Type-A USB 3.1 Gen2 Type-C w/Power Delivery-in Micro HDMI MicroSD Card Reader SIM (Nano) Headset 3.5mm DC Jack LAN Port 19 Pogo Pin Dock Connection

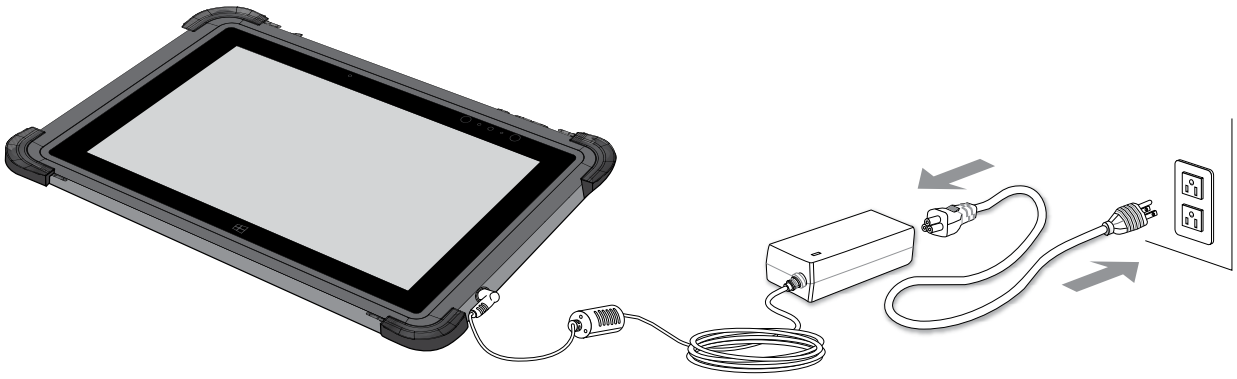
CAMERA	Front - 5MP Rear - 8MP AF with flash Hello Camera
AUDIO	Realtek Audio Dual microphone array 2 integrated speakers
SCANNER	Optional: High performance Scanners Honeywell N6803MR (Mid-Range, 2.5" to 38" read range*) Honeywell N6703 (Standard Range, 1.7" to 22" read range*)
BUTTONS	Function (Barcode scan) x2, Power, Volume +/-, Reset hold
SENSORS	Accelerometer Gyroscope E-Compass Proximity Ambient Light Sensor
BATTERY SYSTEM	7.68V, 32Wh, 4170mAH Lithium Polymer Up to 7Hr battery life[1]
WIRELESS/NETWORK	
WLAN	Wi-Fi 6E 802.11 a/b/g/n/ AC/AX Intel Wireless-AX211
LAN	Gigabit Ethernet
Bluetooth	5.3 BLE Support
GPS	Ublox NEO-M9N
4G LTE	Optional, Sierra Wireless EM7565 Global
SECURITY	Kensington Lock TPM 2.0
AGENCY APPR	FCC, IC, CE, RoHS, WEEE

[1]Battery life varies significantly depending on settings, app usage, and other factors
*Read range is based on a 13mil UPC barcode and may vary depending on barcode size, clarity, and environmental factors.

Getting Started

Power Supply

This section provides basic safety precautions when using an AC/DC adapter and battery.



AC/DC Adapter

Ensure the xTablet T1195 is connected to an AC power source via the AC adapter before turning it on for the first time. If the xTablet automatically shuts down due to low battery power, it is likely to cause system failure. Below are some Dos and Don'ts for an AC/DC adapter.

Dos
- Use the adapter that shipped with xTablet T1195 only.
- Always be aware of heat coming from the AC/DC adapter while in use.
- Unplug the AC power cord before disassembly the notebook.

Don'ts
- Never cover an adapter that is in use as it can generate heat.
- Do not leave the AC power cord plugged in after powering off the system when the tablet will not be in use for an extended period of time.

1. Plug the DC end of the AC/DC adapter into the DC-in jack of the xTablet T1195.
2. Plug the AC/DC adapter into the power outlet.
3. When removing, follow steps in reverse order.

(NOTE: The interchangeable plug may vary depending on countries or regions.)

Battery

This Tablet is equipped with a built-in high-capacity Lithium-ion Polymer battery pack.
The rechargeable Lithium-ion Polymer battery pack is an internal power source.

The battery pack may be damaged if users attempt to disassemble it. The limited warranty will be voided if the battery pack is disassembled by non-authorized technicians. Please follow your local laws and regulations to recycle the Tablet and the built-in battery pack.

Conserving Battery Power

Efficient battery power is critical to maintain normal operation. If battery power is not managed well, the saved data and customized settings may be lost.

To optimize battery life and avoid sudden power loss, read the tips below:

- Suspend system operation if the system will be idle for a period of time.
- Disable unnecessary settings or remove idle peripherals.
- Connect an AC/DC adapter to the system whenever possible.

Charging the Battery Pack

The built-in battery pack can be recharged when the Tablet is connected to the AC power. Please pay attention to the following tips before recharging the battery:

- You can use the system, suspend system operation or shut down and turn off the system without interrupting the charging process.
- The built-in battery pack uses Lithium-ion Polymer battery cells that have no “memory effect.” It is unnecessary to discharge the battery before recharging. However, to optimize the life of battery, we suggest that consuming the battery power completely once a month is necessary.
- The actual charging time will be determined by the applications in use.

(NOTE: Do not charge battery in temperature below 0º or above 45ºC , it may cause a safety issue.)

Radio Frequency Specifications and Power Output

Bluetooth Power:
BT: 2402~2480MHz: 9.10dBm
BLE: 2402~2480MHz: 8.73dBm

WIFI Power:
WIFI 2.4G: 2412~2472MHz: 17.97dBm
WIFI 5G Band: 5150~5250MHz, 5250~5350MHz, 5470~5725MHz: 19.99dBm
WIFI 5G Band: 5725~5850MHz: 11.51dBm
WIFI 6E Band: 5925~6425 MHz: 19.13dBm

LTE Band 1: Tx: 1920~1980MHz/ Rx: 2110~2170MHz: 25dBm
LTE Band 3: Tx: 1710~1785MHz/ Rx: 1805~1880MHz: 25dBm
LTE Band 7: Tx: 2500~2570MHz/ Rx: 2620~2690MHz: 25dBm
LTE Band 8: Tx: 880~915MHz/ Rx: 925~960MHz: 25dBm
LTE Band 20: Tx: 832~862MHz/ Rx: 791~821MHz: 25dBm
LTE Band 28: Tx: 703~748MHz/ Rx: 758~803MHz: 25dBm
LTE Band 38: Tx/Rx: 2570~2620MHz: 25dBm
LTE Band 40: Tx/Rx: 2300~2400MHz: 25dBm

GPS L1/GLONASS G1: 1559 ~1610MHz

The device is restricted to indoor use only when operating in the 5150 to 5350MHz and 5945 to 6425MHz frequency range.