Federal Communications Commission (FCC)

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 or more of the following measures:

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

Shielded interconnect cables and a shielded AC power cable must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

FCC Label Compliance Statement

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
(2) This device must accept any interference received, including interference that may cause undersired opreation

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/eot/ea/fccid after searching on FCC ID: WL6GWS-CSCG

Canada, Industry Canada (IC) Notices

This device complies with Industry Canada's licence-exempt RSSs. 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.

Canada, avis d'Industry Canada (IC)

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) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.
This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR")limits when operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.
Ce dispositif a été évalué pour et démontré conforme à la Taux IC d'absorption spécifique ("SAR") des limites lorsqu'il est utilisé dans des conditions d'exposition portatifs.

- compliance to ALL applicable EU standards to support CE mark.
- compliance to FCC 47 CFR Part 15 Subpart B & ICES-003 Issue 6-2016
- compliance to EU Radio Equipment Directive
- compliance to FCC 47 CFR Part 15 Subpart C

Safety Instruction

Your system is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Attention during use

- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
    - The power cord or plug is damaged.
    - Liquid has been spilled into the system.
    - The system does not function properly even if you follow theoperating instructions.
    - The system was dropped or the cabinet is damaged.
    - The system performance changes

The warranty does not apply to products that have been disassembled by users.

IMPORTANT:

This product is intended to be supplied by an UL certified DC source rated 5Vdc; 3A. Tma 60 degree C minimum and output meets SELV, Non-hazardous energy level, if need further assistance, please contact ECS (or Intel®) for further information.

Safety Notice and warnings

Product disposal notice

IMPORTANT:

In the European Union, this symbol indicates that this product including battery must not be disposed of with household waste. It is your responsibility to hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your local waste collection center or the point of purchase of this product.

CAUTION:

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

Nordic Lithium Safety Notice (for lithium-ion batteries)

Safety Notice:

Danger of explosoin if battery is incorrectly replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Attetion during use

1. Do not place this product underneath heavy loads or in an unstable position.

2. Do not use or expose this product around magnetic fields as magnetic interference may affect the performance of the product.

3. Do not storage this product to high levels of direct sunlight, high-humidity or wet conditions.

4. Do not carry the product on the body (or pockets).

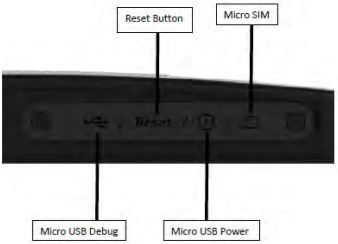
- **CE marking**
- **FCC marking**

Brief Introduction

Specifications

Item	Spec Description
Processor	Intel® Atom X3 Telit HE922
	Cache:16Kbytes L1
	Memory: eMMC interface 8GB
	RAM: 8Gb LDDR3
External IO Port	Charging Port (Extension Battery/ CST)
	Charging Port (Micro USB output5V3A / input 110V~240V)
	Micro USB Debug
Buzzer	Buzzer
LED	LED(CPU /Device Status)
Display	OLED 54.6*32mm / 128*64 pixd
Key/Button	Power / NFC
	Reset
Expansion	SIM Slot
Connectivity	3G
	WiFi
	GPS / GNSS
	Zigbee
	NFC
Sensor	Ambient
	Temp/Humidity
	G-Sensor
	Air Pressure
	Proximity
Battery	4400mAH Li-Polymer(Typical) SDL 695688T-1S1P
Battery Life	10 days
Operating Temperature	-20℃ ~ 60℃
Dimension **(h/w/l)**	20* 82 *145 mm
IP Level	IPX0 for safety standard
Power Consumption	Hi: 4.4V / Normal: 4.2V / Low: 3.75V

Castle canyon provisioning overview



How to use GWS-CSCG

Step 1: Power On/Off

1. Power On - Press button three times. On third press user must hold button down for 20 seconds.

If successful: Power icon on reflecting battery charge status on display, green LED pattern and positive audio chime.

If unsuccessful: Power icon reflecting insufficient battery on display, red LED light pattern and negative audio chime.

2. Power Off - Press button three times. On third press user must hold button down for 20 seconds.

User will not be able to power down device if the shipment is still active.

If successful: Power icon on reflecting battery charge status on UI, green LED pattern and positive audio chime.

If unsuccessful: Power icon will be reflected on UI, red LED light pattern and negative audio chime.

Step 2: NFC Tag Pairing

Tap powered on Gateway to Tag and press the NFC button to pair the Tag to the Gateway.

Paired:
Tag and Gateway LED display is green and Gateway beeps **positive tone**.

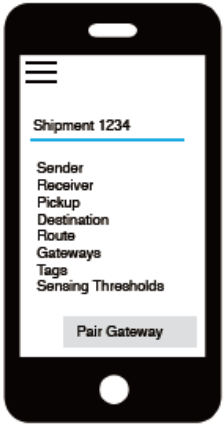
Not Paired or Bad Tag:
Tag and Gateway LED display is red and Gateway beeps ***negative* tone**.

Step 3: Find shipment ID

In the mobile app, find the unique shipment ID listed on the shipment document.

Step 4: Review shipment info

Confirm that the shipment information on the mobile app matches what is listed on the shipment document.



Step 5: Pair Gateway

Select “Pair Gateway “ and scan the Gateway barcode.

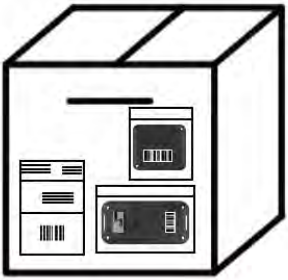
Step 6: Pair Tags with shipping unit

(i.e. Box, Pallet, Crate, Container)

Select “Pair Tag with Shipping Unit” Scan the Tag barcode, then scan the Shipping Unit Label Barcode. Repeat the process for all Tags, then Click “Done” when done paining Tags with Shipping Units. Then click “ Next”,

Step 7: Attach Gateway to box, pallet or crate.

Place the Gateway in the Gateway shipment sleeve and attach it to the box / pallet / crate.

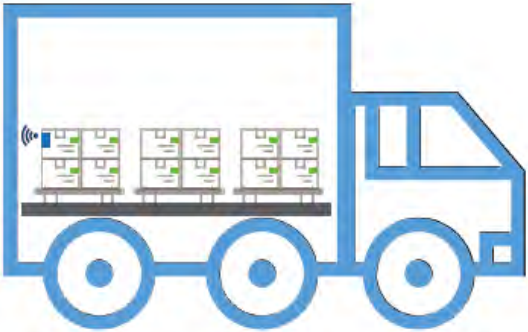


Step 8: Review shipment data & complete shipment.

Review shipment details for accuracy. Once complete, the Gateway and Tag positions will be set (for recording Tilt) and can start collecting all sensor data.

Step 9: Load shipment

When loading pallets with Tags and Gateways onto a truck, try to place one pallet in the back of the truck, one pallet in the center of the truck and one pallet with the Gateway right by the door. Make sure that the Gateway faces the truck door, and is as close to the door as possible to ensure the Gateway signal can best maintain cell connectivity.



Device Operation

Please refer to software user gudie for device operation.

GWS-CSCG

Logistics Monitoring Gateway