

TRLN Super Node NAM

User Manual

Manufacturer: IFCO Management GmbH
Address: Zugspitzstr. 3 a/b 82049 Pullach Germany

1. General Description

TRLN Super Node NAM is designed to be used on Reusable Packaging Containers (RPCs), delivering clean containers to producers, to collecting them from retailers, to cleaning and sanitizing them again, ready for redistribution.

Table 1: Frequency Bands

Supported Bands
B2/ 4/ 5/ 12/ 13/ 66

Table 2: Key Features

Features		Details
Size	Device Size	125*68*10mm
Weight	Device Weight	120g
Hardware	Flash memory	4Mbit
	Band Definition	B2/ 4/ 5/ 12/ 13/ 66
	Bluetooth	BLE scan: 2.402~2.480 GHz
	GNSS	GPS/GLONASS/BDS
	Interface	eSIM x1 JTAG x1
	Temperature Sensor	Supported
	SIM	MFF2

Software	BLE communication protocol	BLE Scan
	WIFI communication	WiFi Scan
Application	HTTP based messaging	HTTP to IFCO backend
	FOTA (FTP Based)	Configuration changeable over-the-air
Antenna	LTE BLE+WIFI; GNSS	LTE/ BLE/GNSS
IP Level	Ipxx	IP68
Battery	Chemistry option	6pcs CR3832P/H battery pack
	capacity	5100mah

2. Mechanical specification

Following section describes the mechanical specification.

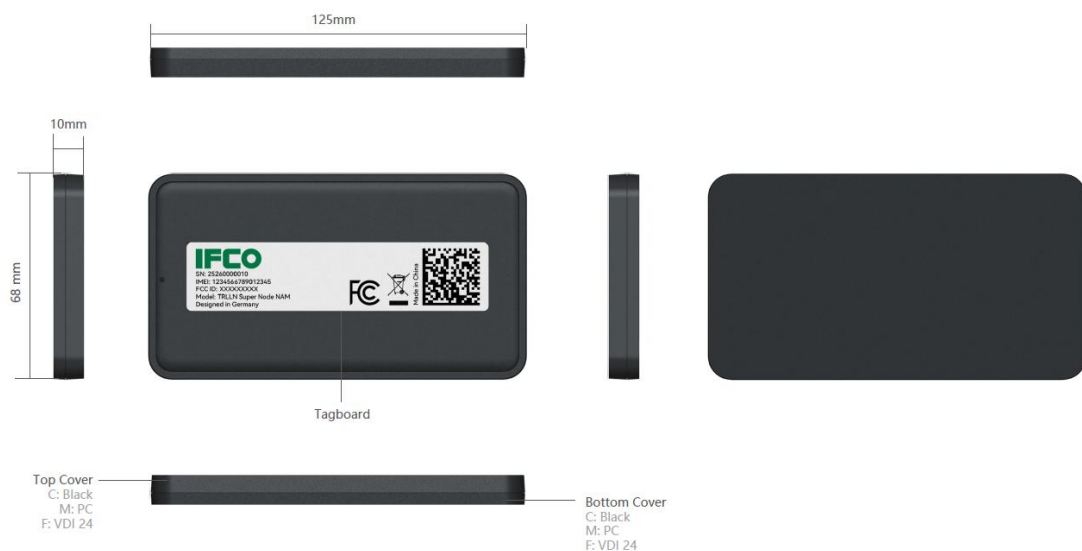




Figure 2.1: Dimension of complete device

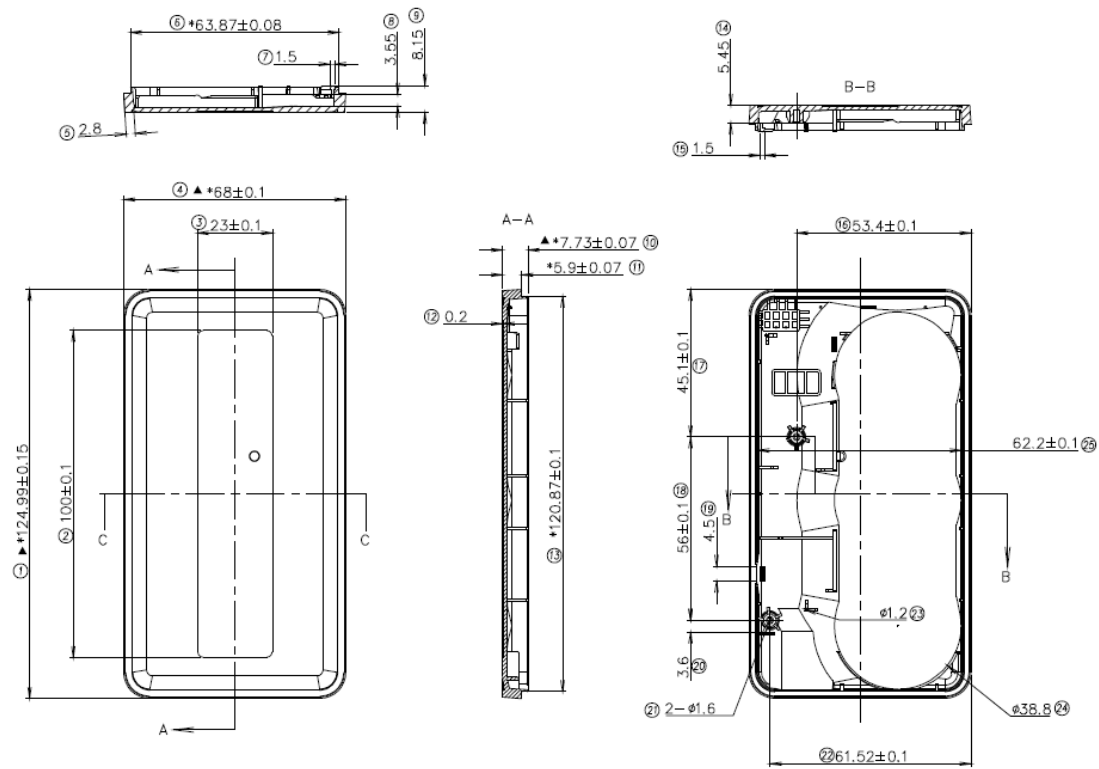


Figure 2.2: Dimension of Top housing

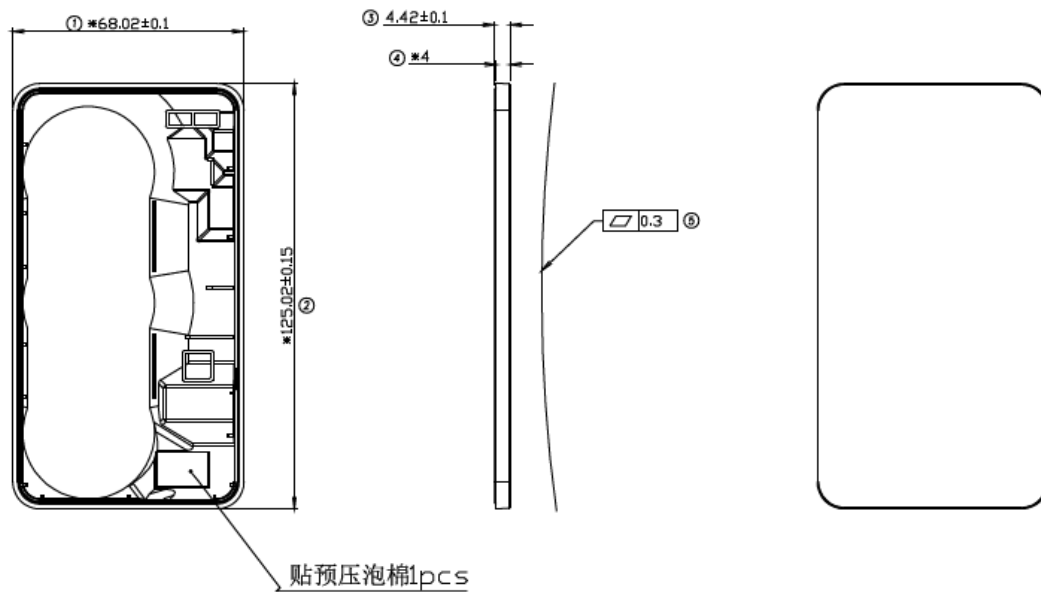


Figure 2.3: Dimension of Bottom housing

3. FCC Caution.

a、 § 15.19 Labeling requirements.

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.

b、 § 15.21 Changes or modification warning.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

c、 § 15.105 Information to the user.

Note: 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 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.