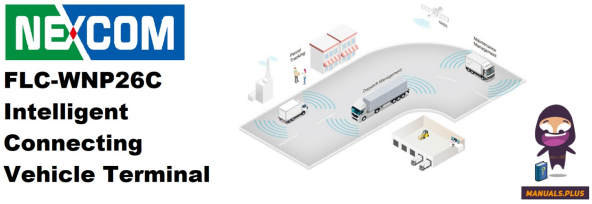

NEXCOM FLC-WNP26C Intelligent Connecting Vehicle Terminal User Guide

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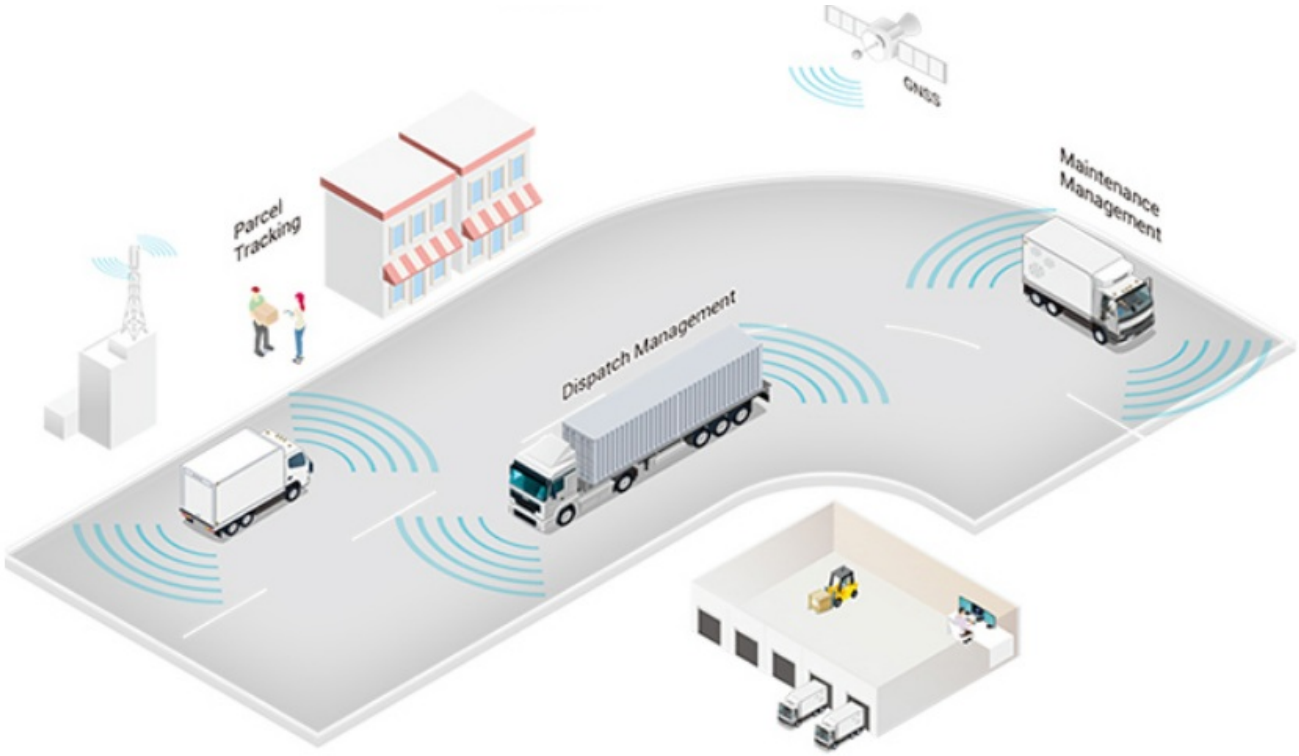
NEXCOM FLC-WNP26C Intelligent Connecting Vehicle Terminal



Product Specifications

- **Product Name:** Intelligent Connecting Vehicle Terminal
- **Model Name:** FLC-WNP26C
- **Housing Material:** PC/ABS
- **Body weight:** 380g
- **Power Supply:** DC 9-16V Type 12V
- **IP Code:** IP52
- **RAM:** 256M
- **ROM:** 8GB
- 4G Antenna x2, GNSS Antenna x1, USB x1, CAN/CAN FD x1, Main Connector x1
- **Power Consumption:** 1A@12V, Max 18W
- **Working Temperature:** -40 to 85 degrees Celsius
- **Storage Temperature:** -40 to 70 degrees Celsius
- **Working Humidity:** 5-95%
- **Storage Humidity:** 5-95%
- **Communication:** LTE/WCDMA/GSM
- **Communication Frequency:** LTE B2/4/5/7/38/41, WCDMA B2/B4/B5, GSM 850/1900

Product Usage Instructions

SIM Card Installation:

1. The after-sales staff will use the card pin to help remove the Nano SIM holder from the product body.
2. Install the prepared Nano SIM into the Nano SIM holder.
3. Finally, install it back into the product body.

Connection Setup:
The after-sales staff will connect the following harnesses with their respective connectors on the product:

- 40P Main harness
- USB 2.0 harness
- GNSS harness
- LTE Main harness
- LTE MIMO harness

FCC Interference Statement

This device complies with Part 15 of the FCC Rules and must not cause harmful interference. Users should follow the guidelines below:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a different circuit from the receiver.
- Consult a dealer or radio/TV technician for assistance.

FCC Caution: Any unauthorized changes or modifications may void the user's authority to operate this equipment.

FAQs

- **What is the purpose of the Intelligent Connecting Vehicle Terminal?**
  The terminal reads car CAN bus data and transmits it to the TSP server through a 4G cellphone network, providing features related to driving safety, security, information, and entertainment.
- **What communication frequencies does the terminal support?**
  The terminal supports LTE B2/4/5/7/38/41, WCDMA B2/B4/B5, and GSM 850/1900 frequencies.
- **How should I install the SIM card?**
  Follow the provided instructions to remove and install the Nano SIM card into the designated holder of the product.

Introduction

Intelligent Connecting Vehicle Terminal
Intelligent Connecting Vehicle Terminal Telematics BOX can read car CAN bus data and transmit the data to the TSP server through a 4G cellphone network. It is a key component of intelligent vehicles and can able to provide reliable features for driving safety, security, information, entertainment, and other services.

Features

- **Remote Control:** Air conditioning, Seat heating control, Door control, and searching for vehicles.
- **Vehicle status:** Collecting vehicle data to the server, and the user APP displays information.
- **Diagnostic upgrade:** Supporting remote and local vehicle diagnosis and FOTA upgrades.
- **Security encryption:** Independent hardware encryption chip, supporting national encryption algorithms, higher

security, and reliability.

Specifications

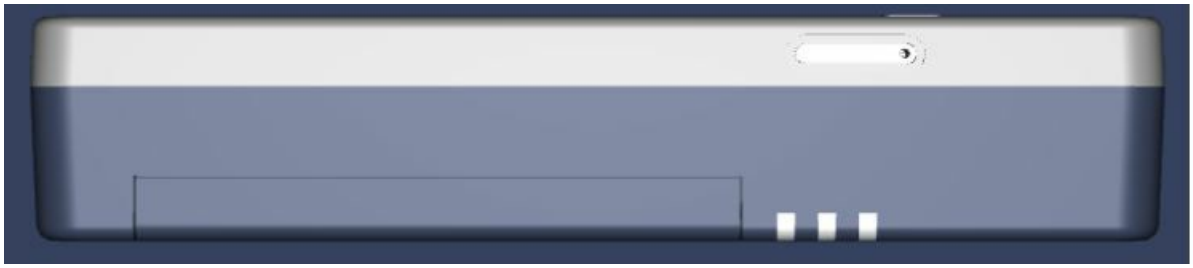
Product Name	Intelligent Connecting Vehicle Terminal			
	Model Name	FLC-WNP26C	Dimension	140 L ×74.8 (W) × 27.5(H)mm
	Housing Material	PC/ABS	Body weight	380g
	Power Supply	DC 9 16V Type 12V	ZIP Code	IP52
Processor	No SOC inside			
	RAM	256M	ROM	8GB
Interface	4G Antenna x2 GNSS Antenna x1 USB x1 CAN CANFD x1 Main Connector x1			
Power Consumption	≤1A@12V 25℃, Max 18W			
Environmental	Working Temperature	-40 85℃	Storage Temperature	-40 70℃
	Working Humidity	5 95%	Storage humidity	5 95%
Communication	LTE /WCDMA/GSM			
Communication Frequency	LTE B2/4/5/7/38/41 WCDMA B2/B4/B5 GSM 850/1900 GPS L1			
Rate	LTE CAT4 DL			
WiFi/BLE	WiFi	Reserved	BLE*2	BLE 5.1
GNSS	Mode*1	GPS	Tracking sensitivity	-157dBm
	Acquisition sensitivity Cold Start	-144dBm	Acquisition sensitivity Warm Start	NO
Antenna	External Antenna	Main Antenna + Auxiliary Antenna	Internal Antenna	BLE

1. Each region has a different configuration
2. BLE is enabled by default, and the phone can search for pairing and connection easily.

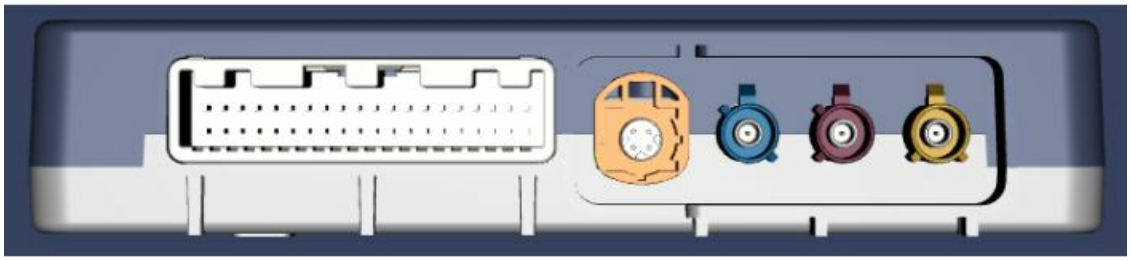
Installation and use method

1. SIM card installation:
    1. The after-sales staff will use the card pin to help remove the Nano SIM holder from the product body,
    2. and then install the prepared Nano SIM into the Nano SIM holder,

3. and finally,y I n, stall it back into the product body.



2. The after-sales staff will connect the 40P Main harness, USB 2.0 harness, GNSS harness, LTE Main harness, and LTE MIMO harness respectively with the 40P main connector, USB 2.0 connector, GNSS connector and LTE Main on the product connector, LTE MIMO connector connection.



3. After-sales personnel will use after-sales tools to write the VIN activate the operation and learn the secret key of the product.
4. After the wiring harness connection, activation, and key learning are completed, the product will provide network and GPS positioning for the real cat this time. Various online applications can also be used in the central control of the real car, such as online weather query, weather query of the desired city, navigation function, and positioning data provided by the product; In addition, remote control car functions and digital key functions can be performed on the mobile APP, such as unlocking the lock, switching the air conditioner, searching the car, etc.

Federal Communication Commission Interference 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 undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one of the following measures:

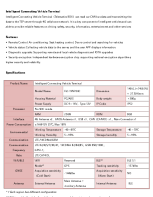
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 with any other antenna or transmitter.

Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits for an uncontrolled environment. It should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Documents / Resources

	NEXCOM FLC-WNP26C Intelligent Connecting Vehicle Terminal [pdf] User Guide FLC-WNP26C Intelligent Connecting Vehicle Terminal, FLC-WNP26C, Intelligent Connecting Vehicle Terminal, Connecting Vehicle Terminal, Vehicle Terminal, Terminal

References

- User Manual