

DriverI/DCM-NA1-200 Manual

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DriverI/DCM LTE Connectivity Module (FCC ID: 2AM8R-DCM-NA1-200)

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Table of Contents

1. INTRODUCTION	3
DRIVER/DCM MODULE DIMENSIONS	4
1.1 LTE MODULE (WP7611 – SIERRA WIRELESS):	4
1.2 GPS MODULE:	4

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1. Introduction

This document is designed to provide information about DriverI/DCM for customer use.

DriverI/DCM Module is an LTE Dongle designed for US region will be used to provide high precision navigation and LTE Connectivity using T-Mobile Carrier.

DriverI/DCM Device contains FCC ID – 2AM8R-DCM-NA1-200

For external host interface "DriverI/DCM Module" supports USB interface with 12V DC supply input.

DriverI/DCM Module dimensions are **66.5mm x 66.5mmx21.2mm**

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DriverI/DCM Module Dimensions

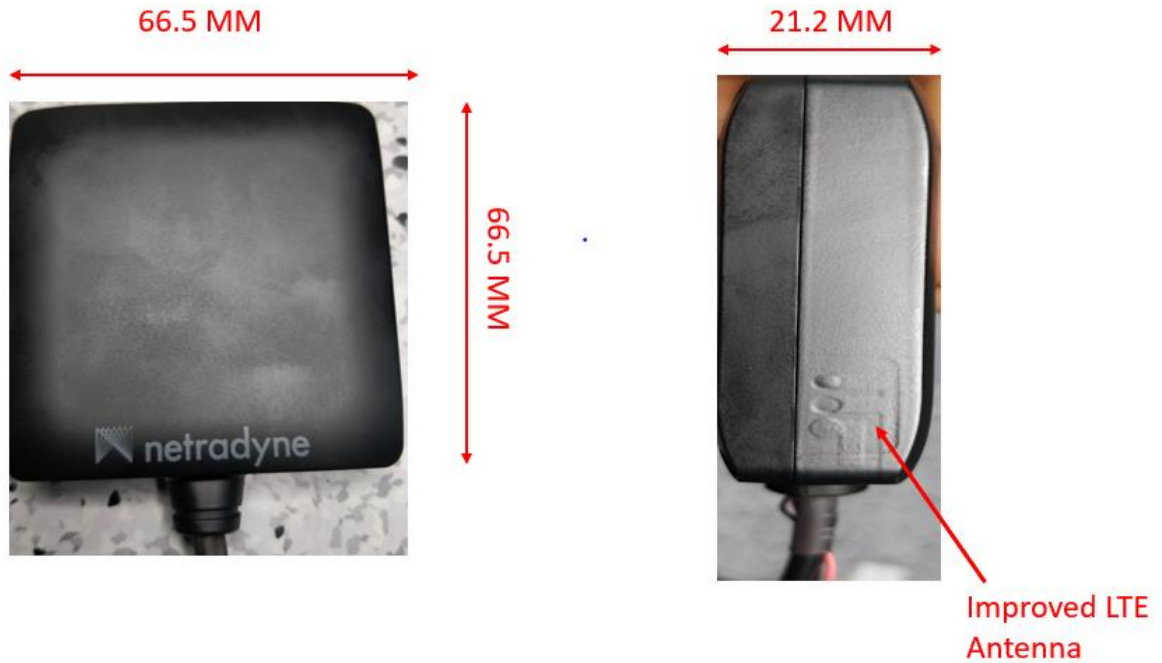


Figure 1: DriverI/DCM Module Dimensions

1.1 LTE Module (WP7611 – Sierra Wireless):

WP7611 is an LTE embedded wireless module. This LTE Cat-3 embedded module delivers up to 100 Mbps download speed and is ideal for IoT applications requiring broadband connectivity such as industrial gateways, transportation, and mission-critical networking applications. Offering an application processor running the open-source Legato® platform, optional GNSS receiver, and cellular modem with an ultra-low power domain, WP modules reduce system complexity and get you to market faster.

The WP7611 module is based on the MDM9615 QUALCOMM baseband processors.

WP7611 LTE module used in DriverI/DCM Module of SKU – 1104278.

The following bands/connectivity are supported by the WP7611 LTE Module:

- LTE Bands: Band 2, 4, 12, 66, 71

1.2 GPS Module:

NO MOUNT

Driver/DCM device includes GPS module that deliver high integrity, precision timing in demanding applications world-wide. Support for BeiDou, GLONASS and Galileo constellations enables compliance with national requirements. Enhanced sensitivity and concurrent constellation reception extend coverage and integrity to challenging signal environments. Survey-in and fixed-position navigation reduce timing jitter, even at low signal levels, and enable synchronization to be maintained with as few as one single satellite in view.

Inbuilt GPS module include Flash memory for field upgrade. UART, SPI and DDC (I2C compatible) interfaces provide connectivity and enable synergies with most u-blox cellular modules.

Driver/DCM device GPS module use GNSS chips qualified according to AEC-Q100, are manufactured in ISO/TS 16949 certified sites, and are fully tested on a system level. Qualification tests are performed as stipulated in the ISO16750 standard: “Road vehicles – Environmental conditions and testing for electrical and electronic equipment”.

FCC Statement

1. 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.

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

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.

The distance between user and products should be no less than 20cm

IC STATEMENT

This device complies with Industry Canada licence-exempt 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.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The distance between user and products should be no less than 20cm

Ce dispositif est conforme aux normes autoriser-exemptes du Canada RSS d'industrie

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.

Cet équipement

est conforme avec l'exposition aux radiations IC définies pour un environnement non contrôlé. L'utilisateur final doit respecter les instructions de fonctionnement spécifiques pour satisfaire la conformité aux expositions RF. Cet émetteur ne doit pas être co-localisées

Cet appareil a été testé pour des opérations portés sur le corps typiques. Pour se conformer aux exigences d'exposition aux radiofréquences, une distance minimale de 30cm doit être

maintenue entre le corps de l'utilisateur et le combiné, y compris l'antenne. Les pinces de ceinture, les étuis et autres accessoires similaires utilisés par cet appareil ne doivent pas contenir de composants métalliques. Les accessoires portatifs qui ne répondent pas à ces exigences peuvent ne pas se conformer aux exigences d'exposition RF et doit être évitée. Utilisez uniquement l'antenne fournie ou une antenne approuvée

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