

Technical information:

- GSM/GPRS/EDGE bands: 850/900/1800/1900MHz
- GPRS class B, multislot class 10 operation
- EDGE multislot class 12 operation
- HSDPA bands: 800/850/1900/2100MHz
- Max. RF power output: 2W(850/900MHz), 1W(1800/1900 MHz)
- SIM interface (2FF) 1.8V/3V, with support for MFF2 SIM
- Support data (dl/ul up to 14.4Mbps/5.76Mbps), SMS, gpsOne

Power requirement:

- Input voltage: **9V to 60VDC**
- Rated current: **650mA**

DC input	9V	12V	24V	48V
Idle state (Ethernet, Wi-Fi & Cellular n/c)	110mA	82mA	43mA	23mA
Ethernet connected (Wi-Fi & Cellular n/c)	150mA	112mA	57mA	31mA
Ethernet & Wi-Fi connected (Cellular n/c)	202mA	151mA	76mA	41mA
Ethernet & Wi-Fi connected (Cellular standby)	222mA	167mA	84mA	46mA
Ethernet & Wi-Fi connected Cellular (CDMA2000@23dBm)	610mA	450mA	220mA	115mA

Interface Connections:

- SIM holder
- RJ45 8P8C WAN connector
- RJ45 8P8C LAN connector
- Wi-Fi RP-SMA antenna connector (50Ω)
- Active GPS SMA antenna connector (50Ω)
- Cellular SMA antenna connector (50Ω)
- 4-pin MicroFit Molex connector for power supply and DI/Os
- Reset button

Dimensions:

- Overall size: 83.9mm x 60mm x 25mm
- Weight: 130g

Temperature range:

- Operating: -20°C ~ 60°C
- Storage: -40°C ~ 80°C
- Relative humidity: up to 95% without condensation

Optional Accessories:

- Ultra-wide band antenna – ACC-A22
- Wi-Fi antenna – ACC-A21
- Ethernet cable – ACC-CA29
- DIN Rail Mount – ACC-DIN
- Power cord with fuse – ACC-CA10
- Power supply Europe – ACC-PS01
- Power supply America – ACC-PS09
- Power supply Australia – ACC-PS10
- Power supply UK – ACC-PS11

Safety Precautions

- The modem generates radio frequency (RF) power. When using the modem care must be taken on safety issues related to RF interference as well as regulations of RF equipment.
- Do not use your phone in aircrafts, hospitals, petrol stations or in places where using GSM products is prohibited.
- Be sure that the modem will not be interfering with nearby equipment. For example: pacemakers or medical equipment. The antenna of the modem should be away from computers, office equipment, home appliance, etc.
- An external antenna must be connected to the modem for proper operation. Only use approved antennas with the modem. Please contact authorized dealer on finding an approved antenna.
- Always keep the antenna with minimum safety distance of 26.6 cm or more from human body.
- Do not put the antenna inside metallic box, containers, etc.

Using the modem in vehicle

- Check for any regulation or law authorizing the use of GSM in vehicle in your country before installing the modem
- Install the modem by qualified personnel. Consult your vehicle dealer for any possible interference of electronic parts by the modem.
- The modem should be connected to the vehicle's supply system by using a fuse-protected terminal in the vehicle's fuse box.
- Be careful when the modem is powered by the vehicle's main battery. The battery may be drained after extended period.



Protecting your modem

- To ensure error-free usage, please install and operate your modem with care.

Do remember the following:

- Do not expose the modem to extreme conditions such as high humidity/rain, high temperatures, direct sunlight, caustic/harsh chemicals, dust, or water.
- Do not try to disassemble or modify the modem. There is no user serviceable part inside and the warranty would be void.
- Do not drop, hit or shake the modem. Do not use the modem under extreme vibrating condition.
- Do not pull the antenna or power supply cable. Attach/ detach by holding the connector.
- Connect the modem only according to the instruction manual. Failure to do it will void the warranty.
- In case of problem, please contact authorized dealer.

DEALER'S CHOP

Federal Communications Commission (FCC)

Declaration of Conformity

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.

This device has been tested and found to comply with the limits for a Class B digital , 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 radiated 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.

FCC Caution:

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

Industry Canada Note

This device complies with Industry Canada license-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 .

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

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du

Canada.

IC: 20055-E206XT

RF Exposure Information

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.

● This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

IC Radiation Exposure Statement

Cet appareil est conforme aux limites d'exposition aux rayonnements de la IC CNR-102 définies pour un environnement non contrôlé. Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la IC CNR-102, la proximité humaine à l'antenne ne doit pas être inférieure à 20 cm (8 pouces) pendant le fonctionnement normal.