

KPN Mobiel Internet Kaart 820 (MIK820)

Quick Start Manual

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Thank you for choosing The KPN Mobiel Internet Kaart 820 data card. With the data card, you can access the Internet through wireless network at a high speed.

Note: This manual briefs the profile of the MIK820 data card, and the preparation, installation and uninstallation process. For the operation of the management program, see *User Manual*.

What Is in Your Packet

The package of your KPN MIK820 data card contains the following items:

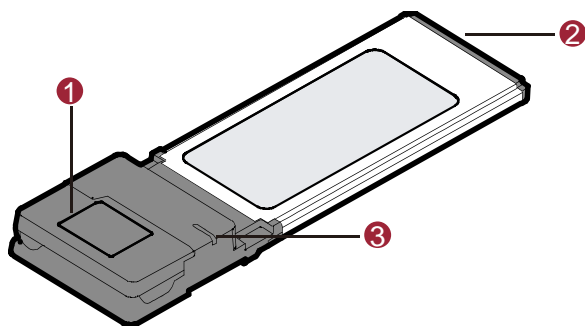
One KPN MIK820 data card

One Quick Start

One ExpressCard/34-to-PCMCIA adapter

Getting to Know Your Data Card

This is the sketch for KPN MIK820 data card. The actual product may differ.



1. External Antenna

You can adjust the external antenna according to the actual signal reception situation so as to reach a most favorable.

2. ExpressCard Interface

It connects the data card to a laptop.

3. Indicator

It indicates the status of the data card.

When the data card is powered on, the indicator is blinking in green. (The indicator is on for 100 ms and off for 100 ms, and then on for 100 ms and off for 2700 ms.)

When the data card has registered to a GPRS (GSM/GPRS/EDGE) network, the indicator is blinking in green. (The indicator is on for 100 ms and off for 2900 ms.)

When the data card has registered to a UMTS (WCDMA/HSPA) network, the indicator is blinking in blue. (The indicator is on for 100 ms and off for 2900 ms.)

When the data card has been connected to a GPRS network, the indicator is on in green.

When the data card has been connected to a WCDMA network, the indicator is on in blue.

When the data card has been connected to a HSPA network, the indicator is on in cyan.

When the data card is removed, the indicator is off.

Preparation

1. Requirements for the Laptop

To use the KPN MIK820 data card, the following configurations for the laptop are required.

Equipped with ExpressCard slot.

CPU: 133 MHz Pentium or above. 500 MHz Pentium or above is recommended.

Memory: 128 MB RAM or above.

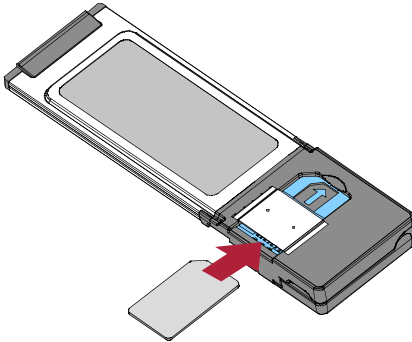
Free space on the hard disk: 50 MB or above.

Windows XP/ 2000/ Vista is installed.

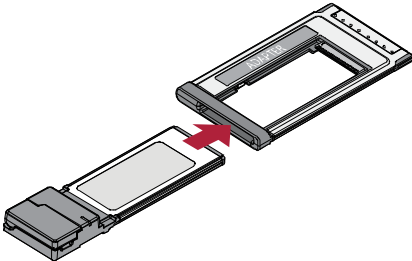
Resolution for the laptop screen: 800 × 600 or above. 1024 × 768 is recommended.

2. Getting Your Data Card Ready

Insert the subscriber identity module/UMTS subscriber identity module (SIM/USIM) card into the slot of the data card with the golden contacts side facing downwards and the cut corner directing inwards. Follow the direction on the back of the data card.



You can insert the data card into the PCMCIA slot by using an ExpressCard/34-to-PCMCIA adapter.

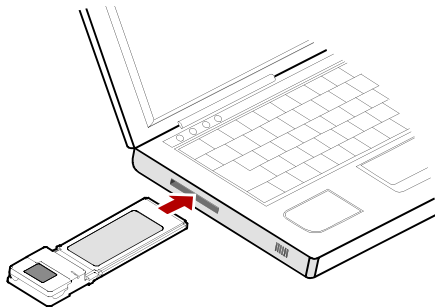


Installation/Uninstallation Guide

Under different operating systems (OSs), the installation and uninstallation procedures may differ. If there is any difference, follow the actual installation prompts.

1. Installing the Data Card

- 1) Insert the data card with a SIM/USIM card into the ExpressCard slot of a laptop.




- 2) The OS auto detects and recognizes new hardware and starts the installation wizard.
- 3) Follow the prompts of the installation wizard.
- 4) After the program is installed, a shortcut icon for KPN MIK820 data card management program is displayed on the desktop.

2. Starting the Management Program

- 1) Double-click the shortcut icon on the desktop to start the management program of the data card.
- 2) In the displayed interface, enter the personal identity number (PIN) code if you have enabled the PIN lock.

3. Removing the Data Card

- 1) Double-click  in the status area. The **Unplug or Eject Hardware** interface is displayed.
- 2) Select and stop the hardware related to the data card.
- 3) When the OS displays "It is safe to remove the device", remove the data card.

Note: Before removing the KPN MIK820, exit the Management Program.

4. Uninstalling the Management Program

- 1) Click **Start Menu**.
- 2) Click **Control Panel**.
- 3) Click **Add/Remove Program** to uninstall the management program of KPN MIK820 data card.

Note: Before uninstalling the Management Program, remove the MIK820.

Warnings and Precautions

General Recommendations for Use

Always handle your wireless device with care and keep it in a clean and dust-free place. Do not expose your wireless device to open flames or lit tobacco products.

Always keep your wireless device dry.

Do not drop, throw or try to bend your wireless device.

Do not paint or scratch your wireless device.

Do not attempt to disassemble your wireless device. Doing so will void warranty. Only authorized personnel are allowed to do so.

Use approved accessories only. Do not connect your wireless device to any incompatible products.

Electronic Device

Deactivate your wireless device near high-precision electronic devices. The wireless device may affect the performance of these devices.

Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a wireless device and a pacemaker to avoid potential interference with the pacemaker. Deactivate your wireless device, if it may have disturbance to the pacemaker.

Laws and Regulations

Do not operate your wireless device where it may be unsafe to do so or where you are required not to do so.

To deactivate your wireless device, stop all applications using the wireless device first and then remove the wireless device from your PC.

Obey all local laws, regulations, rules, orders, signs and notices while using the wireless device. Signs about the use of mobile phones should also be obeyed as referring to other wireless equipment including wireless devices provided by KPN.

Deactivate in Explosive Areas

Deactivate your wireless device where the air is potentially explosive. It is rare, but your PC could generate sparks.

Deactivate in Blasting Areas

Deactivate your wireless device where blasting is in progress. Remote-controlled radio frequency (RF) devices are often used at construction sites to set off blasting.

Deactivate in Aircrafts

Deactivate your wireless device before boarding or in any aircraft. Wireless devices can cause interference in aircrafts.

Deactivate at Hospitals

Obey regulations or rules at hospitals. Deactivate your wireless device near medical equipment. Wireless devices can cause interference to cardiac pacemakers, implanted defibrillators or other medical equipment.

Deactivate near Hearing Devices

Deactivate your wireless device near hearing devices. People with hearing aids may experience interfering noise near wireless devices.

Recommendations for Children

Do not allow children to play with your wireless device. They could hurt themselves or others, or could accidentally damage the wireless device. Your wireless device contains small parts with sharp edges that may cause an injury or a choking hazard.

Deactivate While Driving

Do not use the wireless device while driving.

Immunity to Interference

Your wireless device is immune to interferences caused by audible signals.

Cleaning and Maintenance

Before you clean or maintain the wireless device, stop all applications using the wireless device and remove your wireless device from your PC. Clean your wireless device with a piece of soft antistatic cloth.

If the wireless device or any of its accessories does not work, turn to an authorized service center for help.

Environmental Protection

Observe the local regulations regarding the disposal of your packaging materials, old wireless device and its accessories. Please promote their recycling.

SIM/USIM Cards

While inserting or removing the SIM card, protect yourself against electrostatic discharge (ESD). Do not touch the connector of the SIM card. As a precaution, always make sure that the wireless device is already in your hand before you insert or remove the SIM card.

Restart on ESDs

Software will attempt to re-initialize a connection once a substantial electrostatic discharge causes the device to reset. If the software is not operational after an ESD, restart the software application.

Agency/Regulatory Information

The wireless device is approved for use in many regions of the world. In these regions, the device meets all radio frequency exposure requirements. The following approvals and notices apply in specific regions as noted.

CE Approval (European Union)

The wireless device is approved to be used in the member states of the EU. KPN declares that the wireless device is in compliance with the essential requirements and other relevant provisions of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE Directive).

Radio Frequency Exposure

To ensure compliance at all times with the R&TTE Directive* 1999/5/EC, the wireless device can be held in the hand but still requires a minimum distance of 1.5 cm from the body when in operation.

* The general public RF exposure limits referenced in the R&TTE Directive are consistent with the published Guidelines of the International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998. ICNIRP is a formally recognized non-governmental organization in Non-Ionising Radiation Protection for the World Health Organisation (WHO), the International Labour Organisation (ILO) and the European Union (EU). For more information, visit the ICNIRP website at www.icnirp.de.

Certification Information (SAR)

THIS DEVICE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO FREQUENCY ELECTROMAGNETIC FIELD.

Your wireless device is a low-power radio transmitter and receiver. When it is running, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (Institute of Electrical and Electronics Engineers Inc.), through periodic and thorough evaluation of scientific studies. These guidelines establish permitted levels of radio wave exposure for the public. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when you use a wireless

device. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the wireless device while operating can be well below the value. This is because the wireless device is designed to use the minimum power required to reach the network.

All models of KPN's wireless device are designed to meet radio frequency exposure guidelines such as European Council Recommendation and Federal Communications Commission Notice (United States).

European Council Recommendation: Before a wireless device model is available for sale to the public, it must be tested according to the technical standard-EN 50361 and not exceed the limit established by the European Council Recommendation: 1999/519/EC for safe exposure.

The SAR limit adopted by the 1999/519/EC is 2.0 watts/kilogram (W/kg) averaged over ten gram of tissue. The highest SAR value for this device type when tested is 0.408 W/kg..

[EN 50361 scope states "This basic standard applies to any electromagnetic field (EM) transmitting devices intended to be used with the radiating part of the equipment in close proximity to the human ear including mobile phones, cordless phones, etc. The frequency range is 300 MHz to 3 GHz. Therefore, the above text does not address primary use of the wireless device product.]

Federal Communications Commission Notice (United States): Before a wireless device model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure.

The SAR limit adopted by the USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value for this device type when tested for use is 1.13W/kg. [There is no reference to the specific reference standard or its applicability to the intended use of the product.]

FCC 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Class B Digital Device

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.

Warning: Changes or modifications made to this equipment not expressly approved by **KPN** may void the FCC authorization to operate this equipment.

HSUPA Statement

This device does not support high speed uplink packet access (HSUPA) at the following frequency bands:

- UMTS FDD Band II

- UMTS FDD Band V

Acronyms and Abbreviations

Numerics

3G	The Third Generation
C	
CPU	Central Processing Unit
E	
EDGE	Enhanced Data Rates for GSM Evolution
F	
FDD	Frequency Division Duplex
G	
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
H	
HSPA	High Speed Packet Access
HSUPA	High Speed Uplink Packet Access
O	
OS	Operating System
P	
PCMCIA	Personal Computer Memory Card International Association
PIN	Personal Identification Number
S	
SAR	Specific Absorption Rate
SIM	Subscriber Identity Module
U	
UMTS	Universal Mobile Telecommunications System
USIM	UMTS Subscriber Identity Module
W	
WCDMA	Wideband Code Division Multiple Access