PEGATRON MD100 5G dongle Network Adapter User Manual

Contents

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PEGATRON MD100 5G dongle Network Adapter

Product Information

Specifications

- Product: MD100 5G Dongle
- Package Contents:
  - MD100 5G dongle x 1

- USB Type C to C cable x 1

Product Usage Instructions

Install SIM Card

Before using the dongle, you need to insert a SIM card. Follow the steps below:

1. Locate the dongle's back side.
2. Open the SIM door.
3. Insert the SIM card.
4. Close the SIM door.

Open/Close SIM Door

To open or close the SIM door, follow these steps:

1. Locate the SIM door on the dongle.
2. Open the SIM door to access the SIM card slot.
3. Close the SIM door securely after inserting the SIM card.

Plug and Play to use 5G Dongle

To use the 5G dongle, follow these steps:

1. Get a USB Type C cable.
2. Connect one end of the USB Type C cable to the dongle.
3. Plug the other end of the USB Type C cable into your PC or laptop.
4. Wait for approximately 15 seconds.
5. Observe the dongle's LED turning on, indicating it is powered.

Connect Port A or Port B to Device

You can connect the dongle to your device using either Port A or Port B:

- If you have a USB C to C cable, connect it to either Port A or Port B.
- If you see the LED color in Blue, it indicates a good signal. Green signifies a fair signal, and Red indicates a weak signal. A blinking Red LED indicates an error.

5G Dongle and USB 2.0 Condition

The 5G Dongle is designed for USB 3.0 connection. It may not work well with USB 2.0 due to data rate and power limitations. Please note the following:

- Connecting the dongle using Port A (USB C to A cable) or only using one USB 2.0 C to A cable may result in failure.

Workaround for USB 2.0 Condition

If your host device (PC, Laptop) only has a USB 2.0 port, you can follow the instructions below for a workaround:

1. Connect Port A (USB C to A cable) to an external PD power adapter.

2. Connect Port B (USB C to A cable) to your device.

If you still need to connect the device via USB 2.0 (Type A), follow these criteria:

1. Use two USB C to A cables (not mixed).
2. Connect Dongle Port B (USB C to A cable) to your device.
3. Connect Dongle Port A (USB C to A cable) to an external power adapter.
4. Plug in the cables in the following order:
    1. Connect Port B to the host device first.
    2. Then connect Port A to the power adapter.

FAQ (Frequently Asked Questions)

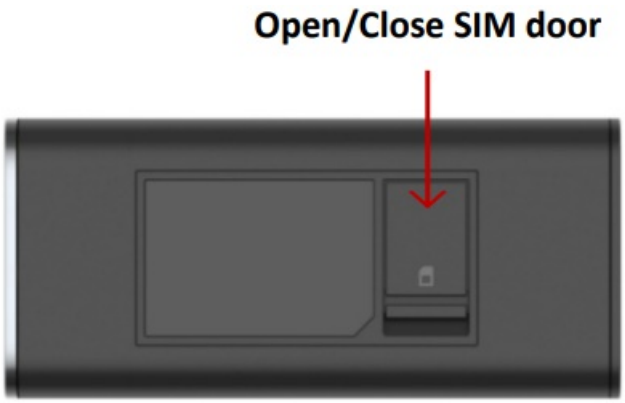
- **Q: What happens if I connect the dongle using a USB 2.0 port?**
  A: The 5G Dongle is designed for USB 3.0 connection. Using a USB 2.0 port may result in data rate and stability issues.
- **Q: What do the LED colors on the dongle indicate?**
  A: The LED color on the dongle indicates the signal strength. Blue indicates a good signal, green indicates a fair signal, and red indicates a weak signal. A blinking red LED indicates an error.
- **Q: Can I connect the dongle to a device using a USB C to A cable?**
  A: Yes, you can connect the dongle to a device using a USB C to A cable. However, please note that this may only work if you follow specific criteria mentioned in the user manual.
- **Q: What is the FCC caution mentioned in the manual?**
  A: The FCC caution states that any changes or modifications not expressly approved by the responsible party may void the user's authority to operate the equipment.
- **Q: Does the device comply with FCC rules?**
  A: Yes, this device complies with Part 15 of the FCC Rules. It is designed to not cause harmful interference and to accept any interference received, including interference that may cause undesired operation.
- **Q: What are the radiation exposure limits for this device?**
  A: The equipment complies with FCC radiation exposure limits for an uncontrolled environment. To ensure compliance, it should be installed and operated with a minimum distance of 5mm between the radiator and the user's body.

Before using Dongle

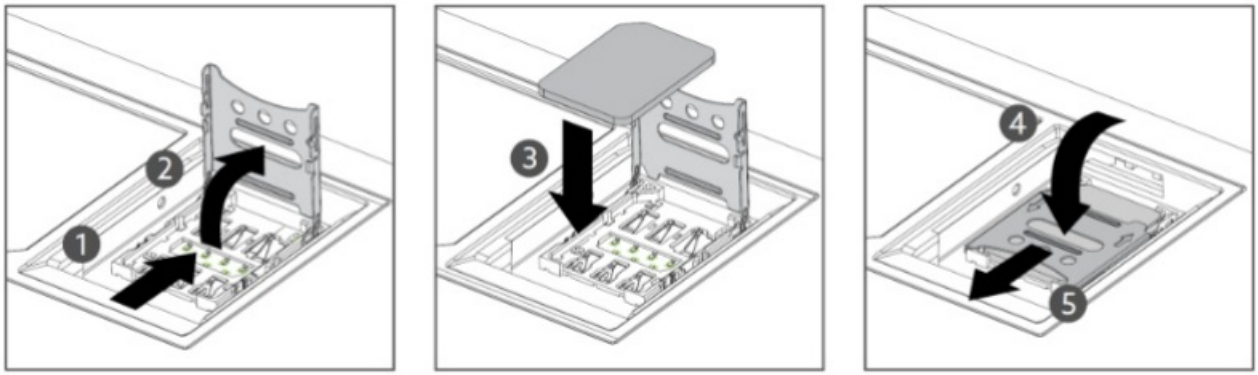
Dongle Package including

- MD100 5G dongle *1
- USB type C to C cable *1

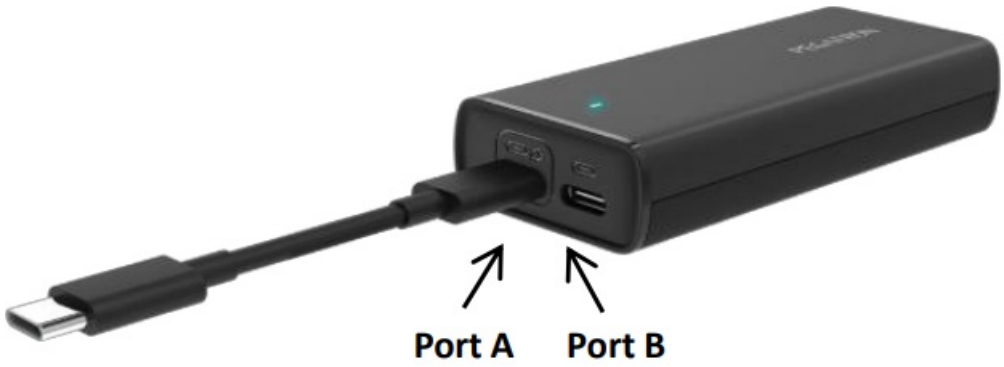
Install SIM Card
Before use the dongle, please insert SIM card. Please find dongle to back side, open SIM door and close after SIM card installed.



Follow steps to install SIM card.



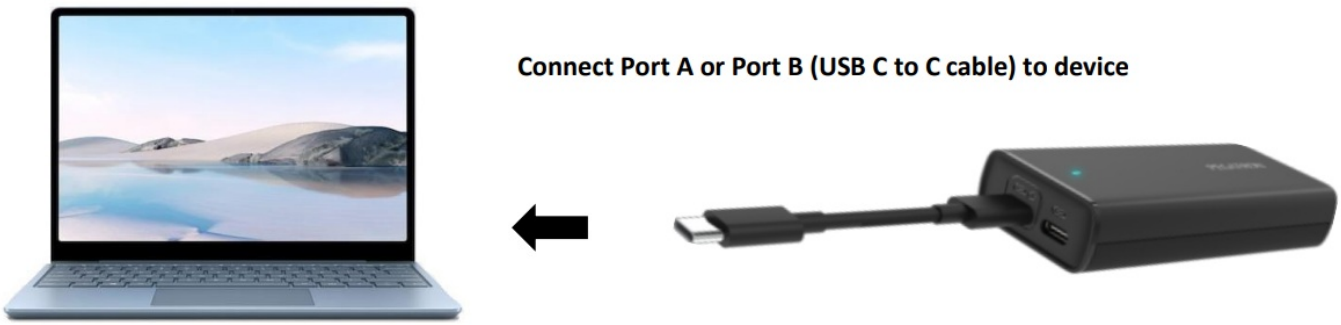
Plug and Play to use 5G Dongle



Plug in USB cable

Please get USB type c cable, one side connect to dongle.

Plug in Dongle with PC or laptop. Wait 15 seconds, you can see dongle LED turn on.



You can use dongle now. If you see LED color in Blue, means good signal. Green means fair signal and Red means weak signal. Blink Red means error.

- **Note**: Use your 5G dongle connected only with Listed ITE equipment.
- **Note**: Under special case, user may try to connect an external PD power adapter to another dongle USB port, if end device is not able to provide enough power required by dongle.
- **Note**: To prevent any damage, dongle only accept 5V/3A or 9V/3A or 12V/3A power sources via USB type-C connector. If need further assistance please contact local agency for further information.
- **Note**: The power supply cord(s) must be plugged into socket-outlet(s) that is / are provided with a suitable earth ground.

5G Dongle and USB 2.0 condition
5G Dongle was design for USB 3.0 connection, due to USB 2.0 spec. data rate and power limitation does not meet dongle requirement.
However, 5G dongle data rate, stability does not guarantee to work well with USB 2.0.

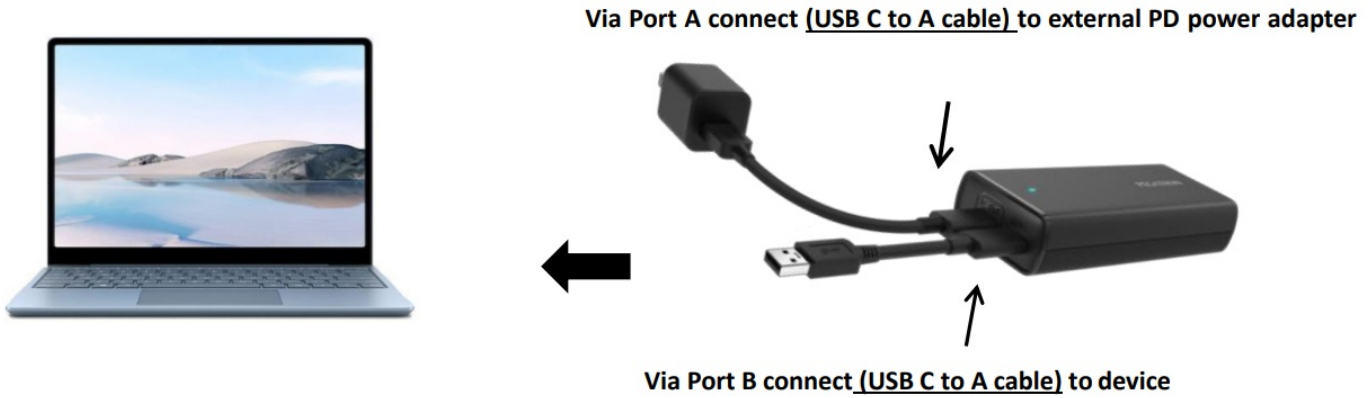
USB 2.0 Type A Port

Fail as

1. connect on Port A (USB C to A cable)
2. only using ONE USB 2.0 C to A cable connect.

Via Port A connect (USB C to A cable) to device

Workaround for USB 2.0 condition
We create criteria on USB 2.0 use case workaround. If host device (PC, Laptop) on have USB 2.0 Port. Please follow below instruction can get workaround solution.



If still needed to connect device via USB 2.0 (type A), need to follow 2 criteria:

- (A) Need two USB C to A Cables (not mixed). Dongle Port B connect (USB C to A cable) to device. Dongle Port A connect (USB C to A cable) to external power adapter.
- (B) Plug in order is (1) Port B connect to host device first. (2) Then Port A connect to power adapter.

Notificafion
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.

FCC Caution: Any changes or modificafions not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This equipment should be installed and operated with minimum distance 5mm between the radiator & your body.

Documents / Resources

	**PEGATRON MD100 5G dongle Network Adapter** [pdf] User Manual MD100 5G dongle Network Adapter, MD100 5G dongle, Network Adapter, Adapter

References

- **User Manual**