ZMi 10 power bank

Read the instructions carefully before using the device.

Safety label instructions

Each genuine portable battery has a protective label on the outside of the package. Please erase a special cover and enter your code at official website.

The company-manufacturer: LLC «ZMI Electronic Technology»
Address: Jiangsu Province, 159 Cheng Jiang Central Road, A913.

Cautions

• Before using the battery for the first time, fully charge it.
• When the battery is used, a display of a digital device should light up, this indicates a correct operation of the device.
• You can select the cable yourself to charge this battery or to charge other devices.
• If the LED indicators do not light up while charging the digital device, the battery is completely discharged. Please charge it right away.
• When the digital device is connected to the battery, the charge of this portable charger is being charged.
• After fully charging the battery, immediately unplug it from a power supply.
• If a short-circuit on the battery output or for other reasons the protection mode activates (after the LED button is pressed, the indicators do not light), charge it with external power supplies, and then it will return to normal operation.
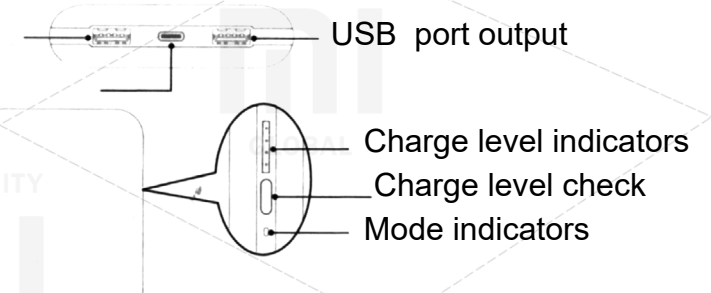
Attention

This device is equipped with a lithium-ion battery. It is strictly forbidden to disassemble a case of the device, in order to prevent the battery from breaking.

Strictly prohibited any dismantling, squeezing, puncturing the device; It is also forbidden to place it in water, in a fire or expose it to a temperature above 60 ° C (140 ° F).

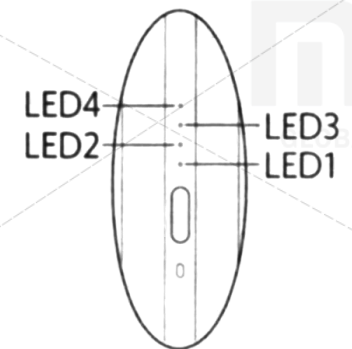USB port input — USB port output

Charge level indicators
Charge level check
Mode indicators

Mode indicator:
Double-click the charge check button to turn on the HUB mode. The blue indicator indicates a successful activation of the HUB mode, absence of a blue indicator indicates that the HUB mode is turned off.

Caution: «Charge level check» button is not designed to turn the device on / off. This device has a function of automatic detection of charging and discharging, so there is no need to constantly press the charge level check button. Two minutes before the discharge, the charge level indicators turn off.

LED4
LED2
LED3
LED1

Features of the device

Safety: Portable ZMI power bank has a reliable protection system. If the battery is charged, discharged or in standby mode, it can easily cope with overcharging, excessive battery discharge, high temperature, short circuit and many other non-standard situations. ZMI power bank provides reliable protection for your digital portable equipment.

High performance: ZMI power bank is equipped with fast charging technology, supports a wide two-way range of input and output voltage USB-C PD 5V / 20A, maximum power is 45W.

Compatibility: ZMI power bank is equipped with the built-in technology of Smart USB Control Charge, it is compatible with many smartphones, other digital devices and many portable power supplies, it is possible to increase the voltage to 9V / 12V.

Quality: A choice of LG and other lithium-ion batteries *, Intersil and other manufacturers of charge-discharge microcircuits.

Overview of the device

Thank you for choosing our products. This device is a high-quality portable battery, which uses a lithium-ion battery from LG and charge-discharge chip from the best international company-manufacturer of integrated circuits Intersil. Special performance indicators: security, efficiency, compatibility with other devices, etc.

Note:
* Zimi reserves the right to supply products of similar quality and technical specifications.

Specifications

Model: QB820;
Battery type: Li-ion battery;
Battery Capacity: 9750mAh / 10 000mAh 7.2V 70.2Wh / 72Wh (MIN / TYP);
Limiting voltage: 8.4V;
Operating temperature range 0 ° C - 45 ° C;
Size: 160 x 81.8 x 21 mm;
Input voltage: 5-20V / MAX 45W;
Output voltage: MAX 45W;
USB-C 5-20V / MAX 40W;
2 USB-A x 5.0V / 2.4A, 9-0V / 2.0A,
12.0V / 1.5A / MAX 18W.

Charging time: about 3.8 hours (5-20V / 45W USB PD charger);
About 5.5 hours (9V / 2A 12V / 1.5A with charging cable);
About 8.7 hours (5V-2A charger with charging cable).

Charging

Connect the power adapter to charge the battery.
During charging, the status indicators display a charge level as follows:

Charge	LED1	LED2	LED3	LED4
0-25%	Flashing	No lit	No lit	No lit
25-50%	Lit	Flashing	No lit	No lit
50-75%	Lit	Lit	Flashing	No lit
75-96%	Lit	Lit	Lit	Flashing
Full charge	Lit	Lit	Lit	Lit
Problems with charging	Flashing	Flashing	Flashing	Flashing

Charging other devices

Using a standard USB cable, connect portable digital devices to the battery to charge them.
If the battery is discharged, the status indicators show a level of the remaining charge as follows:

Charge	LED1	LED2	LED3	LED4
Lack of electricity	No lit	No lit	No lit	No lit
0-25%	Flashing	No lit	No lit	No lit
25-50%	Flashing	Flashing	No lit	No lit
50-75%	Flashing	Flashing	Flashing	No lit
75-100%	Flashing	Flashing	Flashing	Flashing

In HUB mode, the battery can charge Mi band, Bluetooth headphones and other devices with a relatively small battery capacity.
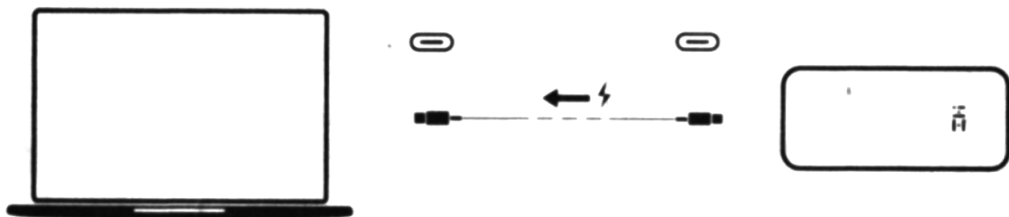
Using of USB-C

USB-C port of QB820 supports USB HUB and two-way power function, that corresponding to PD standard. The USB HUB function is manually activated.

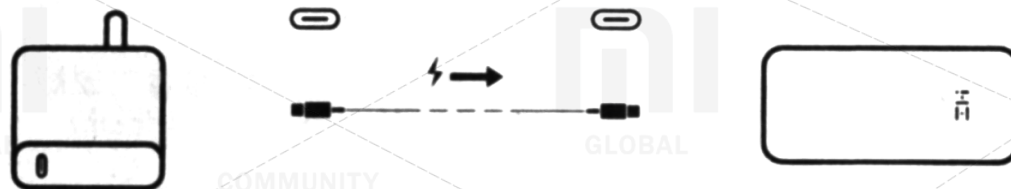1. Charge your computer, phone, and other devices

Support of fast charging technology for tablets/smartphones and other devices.

The maximum power of charging the laptop through the USB-C port is 40W. For example, Mi Notebook, Apple New Macbook, Huawei Mate book, etc.
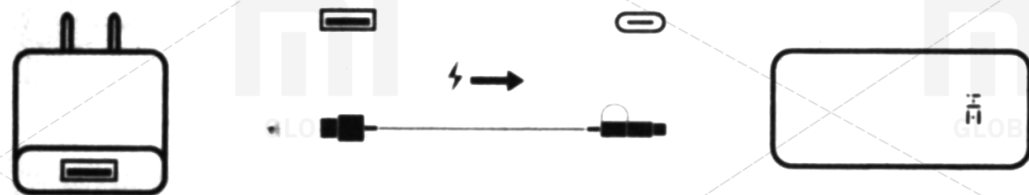

2. Charging the QB820

Support USB-C PD standard with a maximum capacity of 45W. The power consumption is 2 times greater than that of a conventional charger.

Support for standard power adapters, tablets, smartphones and other portable devices. Built-in adaptive algorithm QB820 allows you to achieve optimal power between the power adapter and a portable charger.
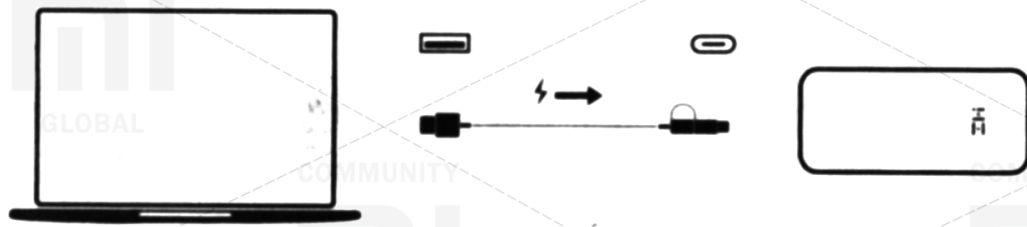
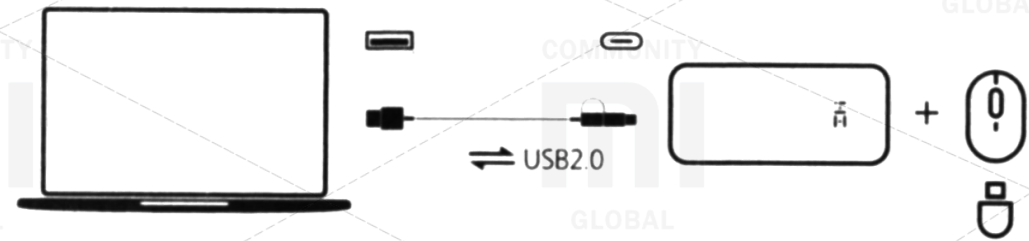Charging from a computer using a USB port, determining the safe charging current.

3. USB HUB mode
USB HUB mode is activated by double pressing the charge check button, after which the blue indicator lights up.
To exit the USB HUB mode, press the charge check button once. USB HUB mode is automatically turned off if the device is in standby mode for more than 2 hours.

It is possible to connect additional devices to the computer with a USB-A to USB-C data cable. In this case, the QB820 will not consume power to the computer.

While charging the laptop with USB-C PD or charging a smartphone with Type-C PD, QB820 can charge additional devices simultaneously via two USB-A ports. (For example, feeding power to the mouse and flash drive).

If additional devices do not support the USB-C PD smartphone, they can be connected to the QB820, but the smartphone will not be charged. (USB OTG cable required).
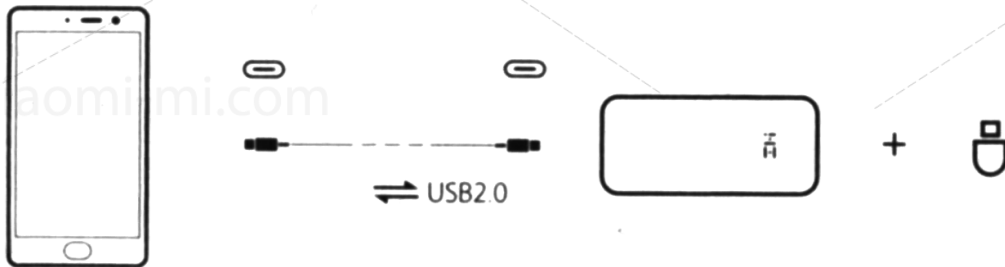

Warranty

Warranty service is carried out in accordance with the law on «Consumer Rights» and «Product Quality Law». Warranty service includes:
During the warranty period, you have the right to repair, change or return the goods. For repair, replacement or return of goods, you must present a sales receipt.

1. In case of unreasonable return of the goods within 7 days after the purchase, the buyer incurs costs for his transportation;
2. In case of breakdowns from the «Fault List», after checking and determining the cause of the problem, you can use the following services:

Type of service	Terms of service
Returning goods	In case of problems with the quality of the goods, may return the goods within 7 days after signing the guarantee
The exchange of goods	In case of problems with the quality of goods possible replacement product within 15 days of the signing of guarantees
Warranty repair	In case of problems with the quality of goods possible free product warranty repair for 1 year after signing the guarantee

List of faults

Product name	List of faults
ZMI 10 power bank	Cracks due to design or material of the device; Problems with LEDs, that indicate the charge level; After a full charge of a new device, its battery capacity is less than 80%; Violations of charging / discharging.

Conditions, for which warranty repair is not covered

1. Completion of maintenance, dropping, negligence, abuse, liquid ingress, accident, if the label and labeling of the device are torn or smeared;
2. The warranty has expired;
3. Damage, caused by force majeure;
4. Breakdowns, that do not correspond to the «List of faults» of the Xiaomi Service Center;
5. Breakage of the device or its components from the «List of faults», that have arisen in connection with the human factor and which prevent its normal operation.

The presence of toxic and harmful substances

Name	Toxic and hazardous substances and elements					
	Pb	Hg	Cd	CrVI	PBB	PBDE
Circuit board components	X	O	O	O	O	O
Battery	X	O	O	O	O	O
Housing	O	O	O	O	O	O
Panel, adhesive tape and other small additional components	O	O	O	O	O	O

These tables are provided in accordance with SJ / T 11364.
O: Toxic and harmful substances in all components of this device are contained in an amount below the limit value in accordance with standard GB / T 26572-2011.
X: the presence of toxic and noxious substances in at least one of the components of this device in an amount exceeding the limit value, according to GB / T 26572-2011.