

ECB-PR70

Package List: prevent damage, 1. Mother Board 2. Pub 3. Adaptor(option) Please do not connect to interfaces other than

4. USB cable(option)

The adapter requires DC5V @3A. Be sure to install a custom heatsink when running under a

large load.

Must be used under normal temperature conditions.

External power supply is required for larger loads.

Must use the standard wifi antenna.

Be careful not to reverse the power of the serial port and GPIC Relevant detailed guidelines https://leez.lenovo.com). otherwise it will damage the motherboard.

Usage Step:

USB, LAN, Audio, HDMI when power is on.

3. Connect the appropriate peripherals.

It is recommended to use an electrostatic bracelet to

Tech Support:

https://leez.lenovo.com Leez forum:

https://leez.lenovo.com/forum

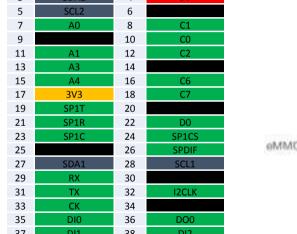
mail: leezinfo@lenovo.com

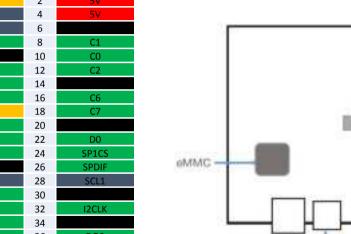
1.From the website https://github.com/leezsbc/ resources / wiki / Leez-P710 download the appropriate

2. Burn the operating system to SD card or eMMC, (see the official website for the burning method

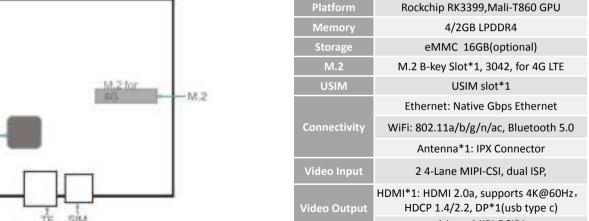
4. USB 5V power connected to the power adapter.

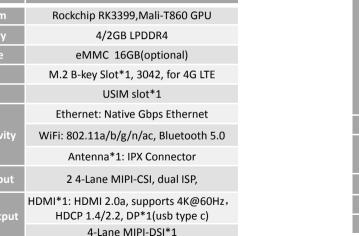
GPIO 40PIN header





System Spec





Description

**2.2 List of applicable FCC rules**FCC CFR Title 47 Part 15 Subpart C Section 15.247 USB2.0\*2,Type-A ports FCC CFR Title 47 Part 15 Subpart E Section 15.407 USB Type-C\*1: 5V Power input 2.3 Summarize the specific operational use conditions GPIO1: 40pin, 2.54mm pitch pin-header

USB 3.0A\*1 + USB 3.0 Type c\*1, Support DP

2\*3V/1.8V I2C, up to 1\*3V UART, 1\*3V SPI,

GPIO2: 8\*2pin, 2.54mm pitch pin-header

USB 2.0 Host \*2 , led, pwr, reset, audio output

GPIO3: Serial Debug Port\*1, 4pin,2.54mm header

PowerKey\*1

Power LED(Red)\*1

GPIO Controlled LED(Green)\*1

RTC: 2 Pin 1.27/1.25mm RTC battery input connector

DC 5V/3A

Fanless cooling fin

1\*SPDIF\_TX, up to 8\*3V GPIOs, 1\*1.8V 8 channels I2S

FCC Modular Usage Statement

to operate the equipment.

interference that may cause undesired operation.

void the user's authority to operate the equipment.

Reorient or relocate the receiving antenna.

his transmitter must not be co - located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's

Label and compliance information

device into which the module is installed must also display a label referring to the enclosed module. This exterior labe

residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed andused in accordance with the instructions, may cause harmful interference to radio communications. However, there

2.7 Antennas

of the host must be labeled with "Contains FCC ID: A5M-ECBPR70"

Increase the separation between the equipment and receiver.

interference to radio or television reception, which can be determined by turning the equipment off and on, the user

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, include

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

encouraged to try to correct the interference by one or more of the following measures:

Consult the dealer or an experienced radio/TV technician for help.

and operated with a minimum distance of 20 cm between the radiator and user body

2.6 RF exposure considerations

Integral antenna with antenna gain 2dBi for frequency range from 2402MHz to 2480MHz and 1.3dBi for frequency range from 5180MHz to 5240MHz & 5745MHz to 5825MHz . The antenna is a detacha

antenna. Please use the same type of antenna and the antenna gain should not exceed the specified value. Do not replace other types of antennas without permission.

Antennas: The antenna design frequency bandis: 2.4G/5.8GWIFI segment. 2400-2480MHz

Label and compliance information If this certified module is installed inside the host device, then the outside



enclosure that may be of sufficient magnitude Recycling and Environmental Information operating instructions should be read before We declares that this device is in compliance with the essential repuirements and other relevant to constitute a risk of electric shock. of the embargoed countries in the EAR E1 No naked flame sources, such as lighted candle Lenovo encourages owners of information separately using the collection framework of certain hazardous substances in electrical and radiators, heat registers, stoves, or other provisions of Directive 2014/53/EU. technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. WARNING: To reduce the risk of electric shock. limits for a Class B digital device, pursuant to Part 15 of the FCC available to customers for the return, recycling, apparatus (including amplifiers) that produce should be placed on the apparatus. Unplug the apparatus This device may not cause harmful interference, and (2) this device must accept any and treatment of batteries and WEEE. When do not remove cover (or back) as there are no Rules. These limits are designed to provide reasonable protection Keep these instructions – The safety and during lightning storms or Lenovo offers a variety of programs and services Heat to more than 100° C (212° F) WARNING: The batteries shall not be exposed to user-serviceable parts inside. Refer servicing to Do not defeat the safety purpose of the against harmful interference in a residential installation. This operating instructions should be retained for when unused for long periods of time. The latest electronic compliance and prior to placing WEEE in the waste collection Repair or disassemble polarized or grounding plug. A polarized plug excessive heat such as sunshine, fire or the like. to assist equipment owners in recycling their IT Refer all servicing to qualified personnel. equipment generates uses and can radiate radio frequency energy environmental information is available from the WARNING: The direct plug-in adapter is used as
The exclamation point within an equilateral stream. Batteries are to be collected separately ne adapter shall be installed near the equipment and shall be easily accessible. has two blades with one wider than the other. A products. For information on recycling Lenovo products, go to: http://www.lenovo.com/recycling Dispose of the battery as required by local Heed all warnings – All warnings on the and, if not installed and used in accordance with the instructions Lenovo Web sites. Servicing is required when the apparatus has DANGER: Plastic bags can be dangerous. Keep using the framework available for the return, grounding plug has two blades and a third appliance and in the operating instructions triangle is intended to alert the user to the ordinances or regulations. To view compliance information go to: been damaged in any way, such as power supply plastic bags away from babies and children to recycling, and treatment of batteries and grounding prong. The wide blade or the third Wi-Fi The following statement applies to users in the should be adhered to. presence of important operating and there is no guarantee that interference will not occur in a particular http://www.lenovo.com/compliance cord or plug is damaged, liquid has been spilled accumulators. avoid danger of suffocation. prong is provided for your safety. If the provide Follow all instructions – All operating and use Operation Frequency: 2412MHz~2472MHz state of California, U.S.A. nvironmental information go to: intenance instructions in the literatury Important battery and WEEE information plug does not fit into your outlet, consult an Country-specific information is available at: instructions should be followed. This equipment complies with FCC/IC radiation exposure limits set forth for an Maximum Power: 15.53dBm(E.I.R.P.) http://www.lenovo.com/ecodeclaration been exposed to rain or moisture, does not accompanying the appliance. radio or television reception, which can be determined by turning Batteries and electrical and http://www.lenovo.com/recycling Lithium battery notice electrician for replacement of the obsolete disconnect device, the disconnect device shall Do not use this apparatus near water – The See www.dtsc.ca.gov/hazardouswaste/ operate normally, or has been dropped. the equipment off and on, the user is encouraged to try to correct electronic equipment marked with DANGER: Danger of explosion if battery is appliance should not be used near water or minimum distance 20cm between the radiator and your body. This transmitter must IMPORTANT SAFETY Minimum distances around the apparatus for is equipment is a Class II or double the interference by one or more of the following measures: the symbol of a crossed-out Restriction of Hazardous Substances Export Classification Notice This lightning flash with arrowhead symbol moisture – for example, in a wet basement o INSTRUCTIONS sufficient ventilation is 20 cm. not be co-located or operating in conjunction with any other antenna or transmitter. Protect the power cord from being walked or insulated electrical appliance. It has bee When replacing the lithium coin cell battery, use wheeled bin may not be disposed as Directive (RoHS) European Union RoHS Reorient or relocate the receiving antenna. near a swimming pool, and the like. within an equilateral triangle is intended to alert his product is subject to the United States Notice: Product related information is located The ventilation should not be impeded by pinched particularly at the plugs, convenience designed in such a way that it does no the same or an equivalent type that is increase the separation between the equipment and receiver. unsorted municipal waste. Batteries Lenovo products sold in the European Union on or Export Administration regulations (EAR) and has Clean only with dry cloth. the user to the presence of non-insulated covering the ventilation openings with items, receptacles, and at the point where they exit Manufacturer: Lenovo (Beijing) Limited recommended by the manufacturer. require a safety connection to electrical after 3 January 2013 meet the requirements of and waste of electrical and Do not block any ventilation openings. Install in "dangerous voltage" within the product's Read these instructions – All the safety and Location: 201-H2-6, Floor 2, Building 2, No.6 Shangdi West Road, Haidian District, Beijing, accordance with the manufacture's instructions to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help. Operating temperature:  $0^{\circ}$ C to +60°C