intel LAPAC51G X15 Laptop Kit User Guide

Intel® NUC X15 Laptop Kit
• LAPAC51G
Safety and Caution
Regulatory Information
Regulatory Model: AC57

Contents

Safety and Caution Information

AC Power Adapter: Risk of electric shock, fire, or burn if using an AC adapter other than the one provided with the device. Indoor use only and in dry locations.
The device must only be repaired by a professional. Do not open the enclosure. The adapter is rated for use between 0 °C and 40 °C (32 °F and 104 °F).
Connect only to a properly wired and grounded outlet. 19.5V, 11.79A, 230W.
19.5V, 9.23A, 180W.

Caution: Risk of shock or fire. Do not use a power cord if damaged. Please reach out to the place of purchase for a replacement.

 **Temperature:** This device is intended for use in ambient temperatures between 0 ˚C and 35 ˚C (32 ˚F and 95 ˚F). Avoid using or storing next to heat sources, in direct sunlight, or outside the intended temperature ranges.

 **Medical:** This device may interfere with the operation of some pacemakers, hearing aids, or other medical devices. To reduce the risk, maintain a separation distance of 20 cm (8 inches) between the device and the medical device. Refer to the medical device for additional information.

 **Modify:** Modification of the wireless solution, thermal solution, device components or enclosure shall violate regulatory compliance requirements and may induce safety hazards.

 **Battery:** The product may contain an internal lithium manganese dioxide, vanadium pentoxide, or alkaline battery or battery pack. To reduce the risk of fire or burns, do not disassemble, crush, or puncture; do not short external contacts; do not dispose of in fire or water. Never attempt to disassemble or reassemble. Risk of explosion if the battery is incorrectly replaced. Replace only by the manufacturer with the same type used by the manufacturer. Contact the seller before sending the full product for battery replacement and follow the instruction for safe transport of lithium and lithium-ion batteries.

 **Heat:** Do not place the mobile computer directly on your lap or obstruct the computer air vents. Use the mobile computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or rugs or clothing, to block airflow. Also, do not allow the AC adapter to contact the skin or a soft surface, such as pillows or rugs, or clothing, during operation.

 **Potential Safety Concerns:** If you notice any of the following conditions (or if you have other safety concerns), do not use the computer: crackling, hissing, or popping sound, or a strong odor or smoke coming from the computer. It is normal for these conditions to appear when an internal electronic component fails in a safe and controlled manner. However, these conditions may also indicate a potential safety issue. Do not assume it is a safe failure. Turn off the computer, disconnect it from its power source, and contact technical support for assistance.

Regulatory Information

Additional Internal Hardware Required for AC57
Additional internal hardware required: Storage

The Intel® AC57 has been certified for use as a component in Information Technology Equipment in certain countries. The system integrator is responsible for testing and acquiring any additional country-specific regulatory approvals, including all system-wide certifications.

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 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 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.

For questions related to the EMC performance of this product, contact:

Intel Corporation
Attn: Corporate Quality
2200 Mission College Blvd.
Santa Clara, CA 95054 USA

RF Exposure Information
This device is tested and meets the government's requirements for exposure to radio waves. This device complies with applicable limits for exposure to radiofrequency (RF) energy set by the FCC.

Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. The SAR limit set by the FCC is 1.6 W/kg. Testing for SAR is conducted using standard operating positions accepted by the FCC. During testing, the radio is set to its highest transmission levels and placed in positions that simulate use against the body.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.
SAR information on this device is on file with the FCC and can be found under the Display Grant section of **www.fcc.gov/eot/ea/fccid** after searching on FCC ID:
" PD9AX201NG " and " Contains IC: 1000M-AX201NG "

 Any changes or modifications not expressly approved by Intel could void your authority to operate the equipment.

Canadian Department of Communications Compliance Statement
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This device complies with industry
Canada licence-exempt RSS standards(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.

Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. The SAR limit set by the IC is 1.6 W/kg. Testing for SAR is conducted using standard operating positions accepted by the IC. During testing, the radio is set to its highest transmission levels and placed in positions that simulate use against the body.

Regulatory Information

IC Warning Statement
The 5150-5250 MHz band is for indoor use only, to reduce the potential for harmful interference to co-channel Mobile Satellite systems.

CE Statements
This device complies with the essential requirements of the Radio Equipment Directive (RED) – 2014/53/EU.
Manufacturer:
Intel Corporation:
Attn: Corp. Quality, 2200 Mission College Blvd,
Santa Clara, CA 95054-1549, USA
EU Single Place of Contact:
Intel Deutschland GmbH, Attn: Corp. Quality,
Am Campeon 10-12,
Neubiberg, 85579 – Germany

UK Single Place of Contact:
Intel Corporation (UK) Ltd., Attn: Corp. Quality, Pipers Way, Swindon, Wiltshire SN3 1RJ, UK

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator & your body.

In the European Union, this symbol indicates that this product including battery must not be disposed of with household waste. It is your responsibility to hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your local waste collection center or the point of purchase of this product.

	AT	BE	BG	CH	CY	CZ	DE	DK	EE
	EL	ES	FL	FR	HR	HU	IE	IS	IT
	LI	LT	LU	LV	MT	NL	NO	PL	PT
	RO	SE	SI	5K	TR	UK(NI)			

For RE-Directive 2014/53/EU
All operational modes:
2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), Bluetooth
5GHz: 802.11a, 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80), 802.11ax

The frequency and the maximum transmitted power in EU are listed below:
2400-2485MHz : 20 dBm

5150-5250MHz : 23 dBm
5470-5725MHz : 23 dBm
5725-5875MHz : 13.95 dBm

The adapter shall be installed near the equipment and shall be easily accessible. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. The SAR limit set by the ICNIRP Guidelines is 2.0 W/kg(10g). Testing for SAR is conducted using standard operating positions accepted by the EN standard. During testing, the radio is set to its highest transmission levels and placed in positions that simulate use against the body.

This product is compliant with ICNIRP Guidelines with respect to Electromagnetic Fields (EMF) which specifies a Specific Absorption Rate (SAR) limit of 2W/kg.
DAS*/SAR: 1.119 W/kg (corps/body)

Taiwan battery recycling:

(Translation – please recycle batteries)

https://www.intel.com/content/www/us/en/support/articles/000057557/intel-nuc.html
Japan VCCI Statement

Japan Radio Law Warning Statement

Japan RoHS (J-Moss)
https://www.intel.com/content/www/us/en/support/articles/000057557/intel-nuc.html
Perchlorate Material – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate
This product contains an Approved module, Model No. AX201NGW information.

Component Name	Hazardous Substance					
	Pb	Hg	Cd	Cr (V1)	PBB	PBDE
Printed Board Assembly	X	0	0 0	0	0	
Display	X	0	0	0	0	0
Chassis	X	0	0	0	0	0
Keyboard	X	0	0	0	0	0
Power Supply	X	0	0	0	0	0
Cable	X	0	0	0	0	0

This table shows where these substances may be found in the supply chain of our electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product.

The Environmental Protection Use Period (EPUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain field-replaceable parts may have a different EPUP (for example, battery modules) number. The Environment-Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.

Disclaimer

M58215-002

Documents / Resources

	intel LAPAC51G X15 Laptop Kit [pdf] User Guide AX201NG, PD9AX201NG, LAPAC51G X15 Laptop Kit, LAPAC51G, X15, Laptop Kit

References

- Anatel — Agência Nacional de Telecomunicações
- dtsc.ca.gov/hazardouswaste/perchlorate
- Regulatory Information Index for Intel® NUC Laptop Kits