



The UP Squared edge compute is your IoT and AI development platform, running Ubuntu. You'll connect your monitor, keyboard, mouse, and Ethernet, and use this platform to write your code.

Your UP Squared Edge Compute system



What's in your kit





USB Drive



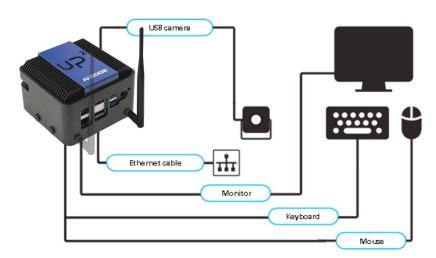
Power Supply

You'll need the following, not included:

- A monitor with either HDMI or DisplayPort
- USB keyboard and mouse
- Ethernet cable (or optional WiFi, purchased separately)







- 2 Power on
 - 1. Make sure to connect monitor before powering up if the board is powered up before connecting a monitor, you may need to power cycle the board to see the display
 - 2. Connect power supply to the board and plug in power supply to an outlet

Caution: this is a high-performance board and may get hot during operation.



Log in to your Ubuntu 16.04 OS with the following credentials:

Username: upsquared Password: upsquared

If you have proxy settings set them now: (System Settings > Network > Network Proxy).



To start IoT development, you can download any other IoT development platforms on line.

To start AI development: Open the "Getting Started" icon on the Desktop. It will open a browser to software.intel.com/up-squared-ai-vision-dev-kit/get-started. Follow the instructions there. * to run Intel® Movidius™ Myriad™ X, you need to have at least OpenVINO 2018 R5, The latest version can always help the performance.

For more information about your UP board, software, accessories and peripherals, please visit www.up-community.org



Intel® System Studio license code

Save this code for later or when prompted:					

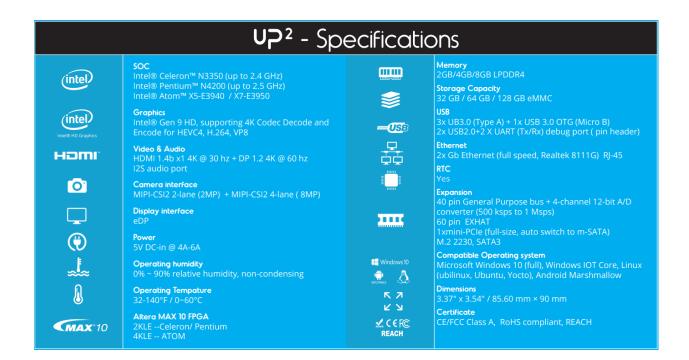


Safety Precautions

Please read the following safety instructions carefully. It is advised that you keep this manual for future references

- 1. All cautions and warnings on the device should be noted.
- 2. Make sure the power source matches the power rating of the device.
- 3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
- 4. Always completely disconnect the power before working on the system's hardware.
- 5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
- 6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
- 7. Always disconnect this device from any power supply before cleaning.
- 8. While cleaning, use a damp cloth instead of liquid or spray detergents.
- 9. Make sure the device is installed near a power outlet and is easily accessible.
- 10. Keep this device away from humidity.
- 11. Place the device on a solid surface during installation to prevent falls.
- 12. Do not cover the openings on the device to ensure optimal heat dissipation.
- 13. Watch out for high temperatures when the system is running.
- 14. Do not touch the heat sink or heat spreader when the system is running
- 15. Never pour any liquid into the openings. This could cause fire or electric shock.
- 16. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
- 17. If any of the following situations arises, please the contact our service personnel:
 - I. Damaged power cord or plug
 - II. Liquid intrusion to the device
 - III. Exposure to moisture
 - IV. Device is not working as expected or in a manner as described in this manual
 - V. The device is dropped or damaged
 - VI. Any obvious signs of damage displayed on the device
- 18. DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE'S PERMITTED STORAGE TEMPERATURES (SEE Following Table) TO PREVENT DAMAGE.





FCC Statement



This device complies with Part 15 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.

Caution: There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.

Attention: Il y a un risque d'explosion si la batterie est remplacée de façon incorrecte. Ne la remplacer qu'avec le même modèle ou équivalent recommandé par le constructeur. Recycler les batteries usées en accord avec les instructions du fabricant et les directives gouvernementales de recyclage.

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China RoHS Requirements (CN)

产品中有毒有害物质或元素名称及含量

AAEON Main Board/ Daughter Board/ Backplane

	有毒有害物质或元素					
部件名称	铅	汞	傷	六价格	多溴联苯	多溴二苯醛
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
印刷电路板			•		•	_
及其电子组件	0	0	0	0	0	°
外部信号	0	0	0	0	0	0
连接器及线材						

- O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。
- X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SI/T 11363-2006 标准规定的限量要求。

备注:此产品所标示之环保使用期限,系指在一般正常使用状况下。

China RoHS Requirements (CN)

Poisonous or Hazardous Substances or Elements in Products AAEON Main Board/ Daughter Board/ Backplane

	Poisonous or Hazardous Substances or Elements						
Component	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)	
PCB & Other Components	0	0	0	0	0	0	
Wires & Connectors for External Connections	0	0	0	0	0	0	

O: The quantity of poisonous or hazardous substances or elements found in each of the component's parts is below the SJ/T 11363-2006-stipulated requirement.

X: The quantity of poisonous or hazardous substances or elements found in at least one of the component's parts is beyond the SJ/T 11363-2006-stipulated requirement.

Note: The Environment Friendly Use Period as labeled on this product is applicable under normal usage only

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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TANK-870AI-i5/8G/2A-R10 PRFE21000038 EM5000-I3-8-128-WL-W7-1 EM3000-3845-8-128-WL-W7-1 PRFE21000039 AMOS-8251Q10A1 UPS-EDAI-X70864-U01-DC01 UPX-EDGEI7-A10-1664-F01 MXE-211/M8G PXIe-3985/M16G PXIe-3987/M16G/SSD AIMBT1215DA-00Y0E AIMB-T12315A-00Y0E AMAX-5580-54000A APAX-5580-474AE ARK-6322-Q0A2E DS-100GF-S8A1E DS-100GLS8A1E EPC-R4680CQ-XAA1E ESRP-CSS-UNO2484 ITA-1611-10A1E ITA-1711-10A1E MIC-710AI-00A1 MIC-720AI-00A1 UNO-247J1N1AE UTX-3115FS-S6A2E AMI220AF-4L-7500 ELIT-1200 AIE100-903-FL EBOX671-517-FL-DC MVS900-511-FL AMS200 SE-92I7 SI-606 SI-60E TANK-760-HM86i-i5/4G-R10 BKCM8i7CB8N