

Quick Start Guide

UP Xtreme i11 Edge Compute Enabling Kit

Unleashing the new powerful UP Xtreme i11 Edge Compute Enabling Kit, powered by the 11th Gen Intel® Core™ processors with Iris® Xe graphics.

I/O interfaces includes:

3x USB 3.2 Gen 2 (Type A), 1x USB 2.0, 1x USB 4.0 (Type C)
1 x GbLAN (i219) 1x 2.5Gb LAN (i225), HDMI 2.0b, 1x DP+ 1x DP 1.4 (via USB Type C),
16-pin GP-bus, COM Ports (2x RS232/422/485), M.2 2230 E key, M.2 2280 M key,
Supports 5G Module (M.2 3042/3052 onboard SIM card slot).

WHAT'S IN YOUR KIT?



1x UP Xtreme i11 Edge Compute
Ubuntu 20.04
Intel® OpenVINO™ toolkit 2021

You will Need the Following, Not Included:

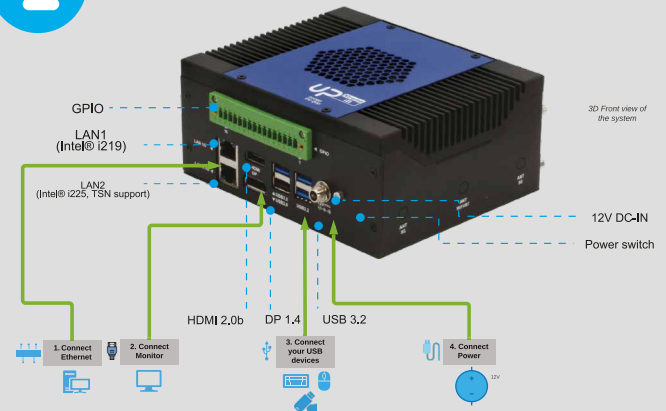
- A Monitor with HDMI or DP, and respective cables.
 - USB keyboard and mouse.
 - 12V power supply.
 - Power Cord for your country.
 - Ethernet cable or WiFi module (optional, to be installed manually).
 - UP AI Core XM 2280 M.2 module (optional for UPX-EDGE-TGLXX-A10-16128-FDKT, to be installed manually).
- *UPX-EDGE-TGLXX-A10-16128-FDAI SKU comes with XM 2280 installed (2x Myriad X)

1 GET READY



- The UP Xtreme i11 Edge Compute Enabling Kit (UPX-EDGE-TGLXX-A10-16128-FDxx) comes installed with **active cooling, RTC battery, RAM and Storage**
- The system comes with **Ubuntu 20.04.2 Desktop** preinstalled, including the intel® Edge Insights for Vision Software Package
- Please follow the below installation steps **carefully** before connecting cables and powering ON the system.

2 CONNECT HARDWARE



3 HARDWARE SETUP DETAILS

- Connect the power supply to the system and power outlet. The system will turn on automatically.
- You can log in to the OS Ubuntu 20.04 with the following credentials:

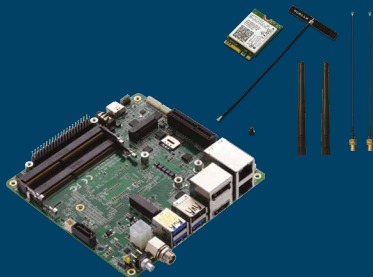
username: devkit

password: devkit

- If proxy settings are required in you network, you can set them from:


System Settings > Network > Network Proxy

Caution: This is a high performance system and may get hot during operation.



 M.2 2230 WiFi Kit with UP Xtreme i11
Intel® Wireless-AC 9260
(802.11ac, Bluetooth 5.0)



 UP AI Core XM 2280 with UP Xtreme i11
AI hardware accelerator with 2x Intel® Movidius™
Myriad X



QUESTIONS?
REACH US HERE



UP Community
<https://www.up-community.org>

Product specifications

System	UP Xtreme i11 Edge Compute Enabling Kit
SoC	Intel® Core™ i7-1185GRE (up to 4.4 GHz)
	Intel® Core™ i5-1145GRE (up to 4.1 GHz)
# of Cores	Quad Core
Graphics	Intel® Iris® Xe Graphics
VPU	optional (via M.2 2280)
FPGA	Intel® FPGA Altera Max V for 16-pin GP-bus
System memory	16GB RAM via 2x DDR4 2 channel SO-DIMM VERTICAL (3200MT/s)
Storage capacity	128GB SATA SSD via 1x SATA 3.0 connector with power connector
	optional 1x M.2 2280 M key (combo 2x PCIe[[x1]] NVME
Power Requirement	DC-IN(12V) lockable power connector
Power Supply Type	AT/ATX(default AT mode)
Power Consumption(Typical)	60W

China RoHS Requirements

Component Name	Hazardous or Toxic Materials or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDEs)
PCB and Components	0	0	0	0	0	0
Wires & Connectors for Ext. Connections	0	0	0	0	0	0
CPU & RAM	0	0	0	0	0	0
<p>This form is prepared in compliance with the provisions of SJ/T 11364.</p> <p>O: The level of toxic or hazardous materials present in this component and its parts is below the limit specified by GB/T 26572.</p> <p>X: The level of toxic or hazardous materials present in the component exceed the limits specified by GB/T 26572, but is still in compliance with EU Directive 2011/65/EU (RoHS 2).</p> <p>Notes:</p> <ol style="list-style-type: none">1. The Environment Friendly Use Period indicated by labelling on this product is applicable only to use under normal conditions.2. Individual components including the CPU, RAM/memory, HDD, optical, and PSU are optional.3. LCD Module and Touch Control Module only applies to certain products which feature these components.						

Safety Precaution

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 with a sudden rush of power as it 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 it from falling.
12. Do not cover the openings on the device. This is to ensure optimal heat dissipation.
13. Keep an eye 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 when installing internal components to prevent static charge. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
17. If any of the following situations arise, please contact our service personnel:
 - I. Damaged power cord or plug
 - II. Liquid intrusion through 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 60 °C. The device's permitted storage temperatures are (-40°C ~ 80°C) in order 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.

Regulatory

