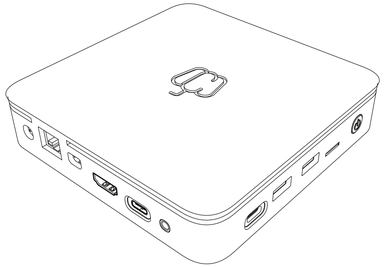
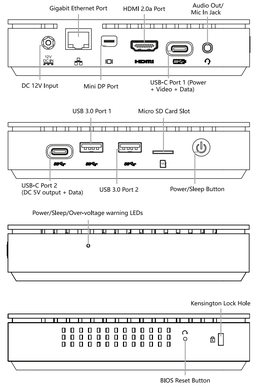
PEPPER JOBS

Quick Setup Guide for GLK-UC2X Quad-Core Media Mini PC

Product Overview





Introduction

Thank you for purchasing PEPPER JOBS GLK-UC2X!

GLK-UC2X is a Quad-Core Media Mini PC powered by Intel® latest generation Gemini Lake N4100 processor. It has some great improvements over its predecessor which include:

·Doubling the CPU cache to 4M for better system performances;

·A new GPU (UHD 600) that supports 4K 60Hz HEVC 10-bit & VP9 10-bit video decoding;

·Integrated HDMI 2.0a video output with HDCP 2.2;

·Hardware decode/encode for Google Hangouts, Chrome browser, MS Edge browser, and YouTube;

·DDR4 support for higher memory bandwidth and better performances;

GLK-UC2X comes with 2 USB-C ports as the "UC2" stands for. USB-C port 1 is a full-featured USB-C port that supports video signal, power input/output and data, while USB-C port 2 supports USB power output and data.

Also, GLK-UC2X support up to 3 display of up to 4K 60Hz simultaneously via HDMI, mini DP and USB-C output, which makes it the strongest entry level PC ever!

We hope you enjoy this piece of nice gadget that we have built and if you have any questions or feedback regarding this product, please don't hesitate to join our forum discussion at:

www.pepper-forum.com

Specifications

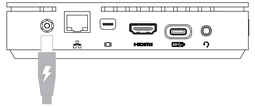
Processor	Intel® Celeron® Processor N4100 (4M Cache, up to 2.40 GHz)
GPU	Intel® UHD Graphics 600
Memory	4GB DDR4-2400MT/s (Pre-installed), 8GB Max. supported
Memory Slot	2 x DDR4 SODIMM slots, support dual channel operation
Storage	Built-in eMMC 5.1 storage/ SSD storage (optional)
Storage Expansion	1 x 2260/2280 SATA M.2 SSD slot (6.0Gbps) *[Note 1]
Wireless Connectivity	Intel® 802.11ac Dual-Band Wi-Fi, BT v4.1 (Module upgradable)
Video Output	HDMI™ 2.0 (4K/60Hz), Mini DP (4K/60Hz), USB-C port 1(4K/60Hz) *[Note 2]
Audio Output	HDMI™ 2.0, Mini DP, 3.5mm audio jack or via USB-C headset (not included)
Audio Input	3.5mm audio jack or via USB-C headset (not included)
Peripherals Interface	RJ-45 Gigabit Ethernet, USB 3.0 x 2, USB-C x 2, TF card reader
Operating System	Windows® 10 Professional Edition (64-bit)
Power	DC 12V/3A (adapter included), or via USB-C port 1 (DC 12V)

Note 1: NVMe M.2 SSD is not supported
Note 2: The USB-C video output does NOT support hot-plug and does NOT contain native audio signal.

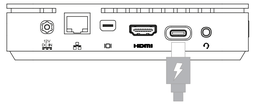
1. Connecting to power source

There are 2 ways to supply DC power to GLK-UC2X:

1.)By connecting to the bundled DC power adapter (12V/3A)



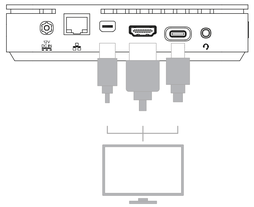
2.)By connecting to a USB-PD power source (e.g. USB-C monitor, USB-PD car charger)



NOTE: Please restart the PC if you changed the power source from PD input to DC input and you want to use USB-C port 1 for display or data output.

2. Connecting to a video input source

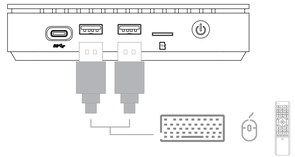
GLK-UC2X support up to a maximum of 3 displays simultaneously. To obtain a video output, please connect GLK-UC2X to at least one video input source such as monitor or TV via the HDMI port, mini DP port or USB-C port 1, depending on the type of input that your display supports.



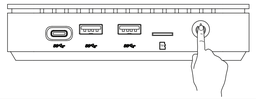
NOTE: The USB-C video output does NOT support hot-plug and does NOT contain native audio signal (this is a physical limitation of eDP signal).

3. Connecting to peripheral input devices

Please connect a keyboard and mouse set to the USB 3.0 port of GLK-UC2X. Alternatively, you may also connect the USB receiver Keyboard/-Mouse/W10 GYRO remote



4. Power on the device



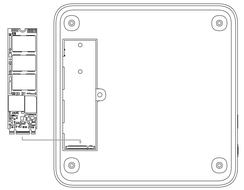
5. SSD/Memory Upgrade

GLK-U2CX has been designed to allow easy access for upgrading the storage and memory.

SSD Upgrade:

GLK-UC2X supports M.2 2260/2280 SSD with SATA 6Gbps interface.

Unscrew the SSD cover with a screwdriver and remove the SSD cover, you may install the self-purchased M.2 SATA SSD to the M.2 SSD slot, apply one screw to secure the SSD, then put the SSD cover back to its original position, and put the screw back to lock the cover in place.

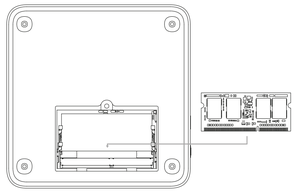


NOTE: NVMe M.2 SSD is not supported

Memory Upgrade:

GLK-UC2X supports PC4-19200 DDR4-2400MHz non-ECC, unbuffered 260-Pin SODIMM Memory Module

Unscrew the memory cover with a screwdriver and remove the memory cover, you may install the self-purchased DDR4 SODIMM to the memory slot, applying force to push and lock the SODIMM in position, then put the memory cover back to its original position, and put the screw back to lock the cover in place.



NOTE: GLK-UC2X supports 1 x 8GB DDR4 SODIMM (single-channel), or 2 x 4GB DDR4 SODIMM (dual-channel)

FCC statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: 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 the 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm between the radiator and your body: Use only the supplied antenna.

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment

FCC ID: 2AOG7GLK-UC2X

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