

Product Model: NUC-29001 Version: R101

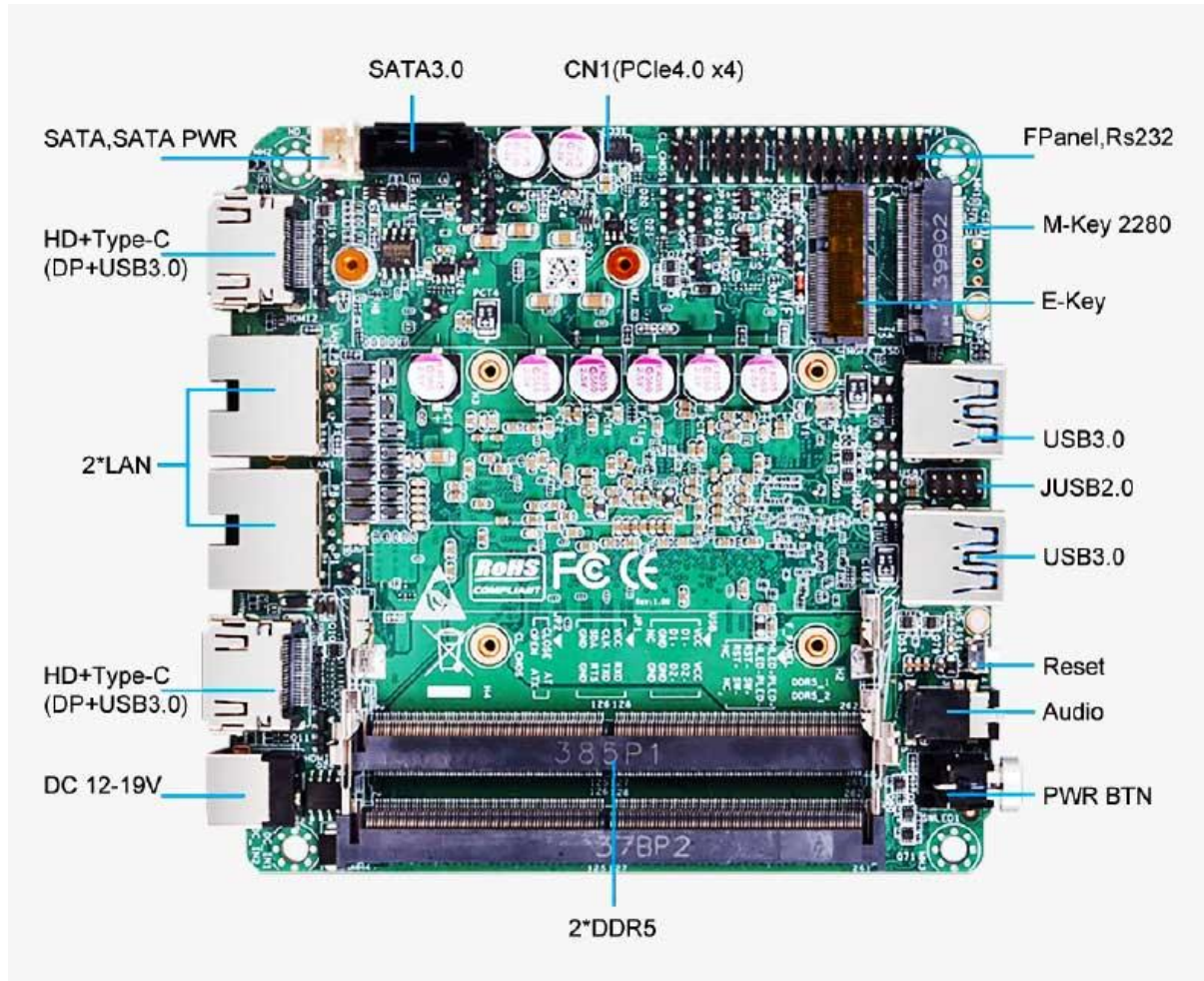
- Processor: Onboard Intel Core Ultra Arrow Lake series
- Memory: 2*DDR5 SO-DIMM, supports up to 96GB
- Storage: 1*M.2 M-Key 2280; 1*SATA3.0
- Interfaces: 2*USB3.0, 2*HDMI, 2*Type-C, 2*LAN
- Power Supply: DC 12-19V, 90W and above
- Dimensions: 100x100 mm



user manual

Processor	Onboard Intel Core Arrow Lake series, 28W TDP, EFI BIOS
Memory	2*DDR5 SO-DIMM, maximum support 96GB
Storage	1*M.2 M-Key 2280 (NVMe PCIe 4.0 x4 protocol); 1*SATA3.0, 2-pin 5V power
Display	2*HDMI 2.1, supports 4K@60Hz 2*Type-C, supports DP 4K@60Hz and USB 3.0
I/O Interfaces	Power button, Audio, Reset button, 2*USB 3.0 DC Jack, 2*HDMI, 2*Type-C 2*LAN (2*Intel i226 network)
Expansion Interfaces/Features	External TPM2.0 is optional, not included by default. The default is CPU-integrated TPM2.0. 1* M.2 E-Key (PCIe + USB2.0 protocol, for WIFI/BT module) 1* RS232 header, 2.0mm pitch 1* USB2.0 header, 2x5Pin, 2.0mm pitch 1* 4Pin PWM CPU FAN 1* CIR (Not included by default, reserved function, requires software debugging)
Operating System Support	Windows10, Windows11, Linux
Power Supply	DC 12-19V, 90w and above
Environmental Conditions	Operating temperature: -20℃ ~ +60℃; Operating humidity: 5% ~ 90% Storage temperature: -40℃ ~ +85℃; Storage humidity: 5% ~ 90%
Dimensions	100x100mm

Product display information



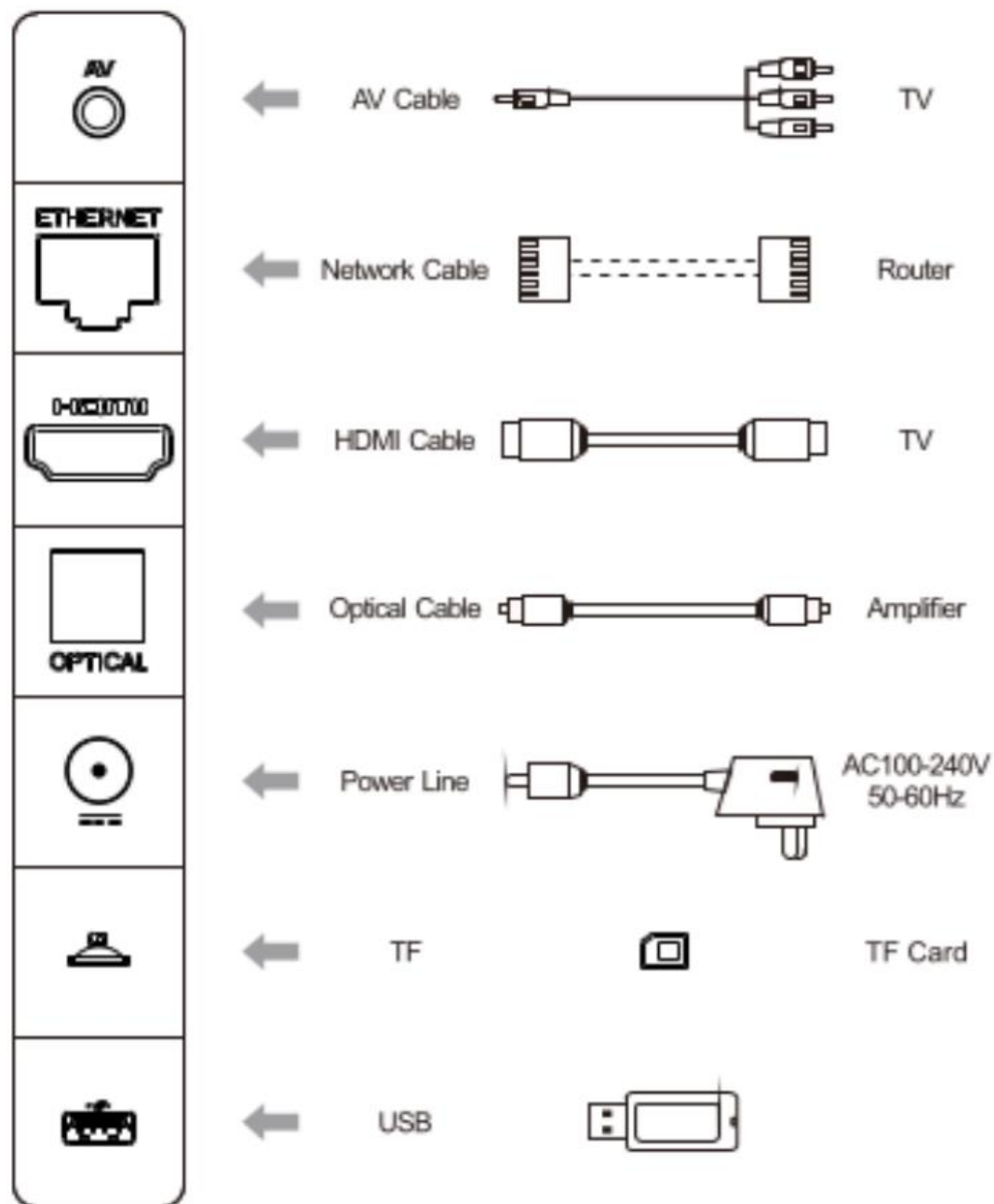
Product Selection Information

Optional Categories	Optional	Optional configurations
CPU Processor	Intel Core Ultra Arrow Lake series	Ultra7 255H/Ultra7 265H/Ultra5 225U/Ultra9 285H
TPM	An external TPM 2.0 module is optional and not included by default. The default configuration uses the CPU's built-in TPM 2.0.	

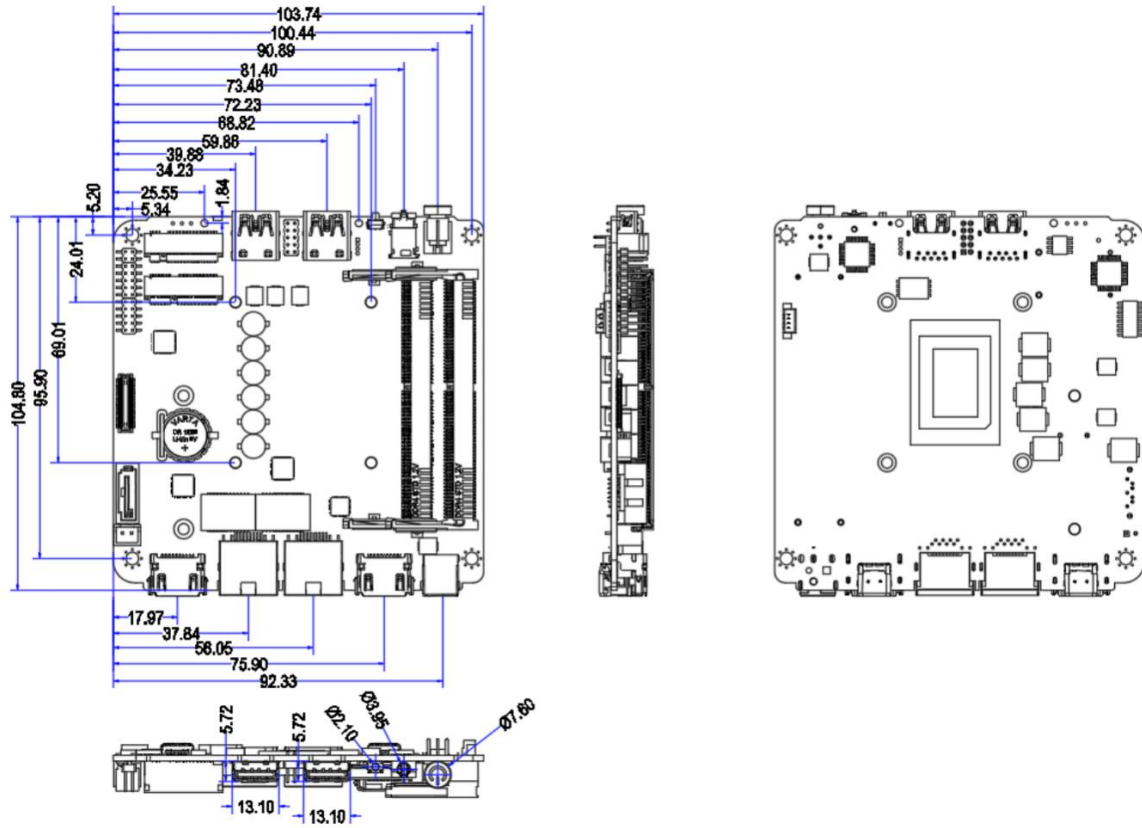
Chapter 3 System Connection 3.1 -AV

Connection

3.2 -HDMI Connection



Product dimensions information (Unit: mm)



微信公众号

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FCC Statement

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.

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.

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