

CrowView Note for Arduino UNO Q

All-in-One Development Kit



User Manual

01 Product Brief

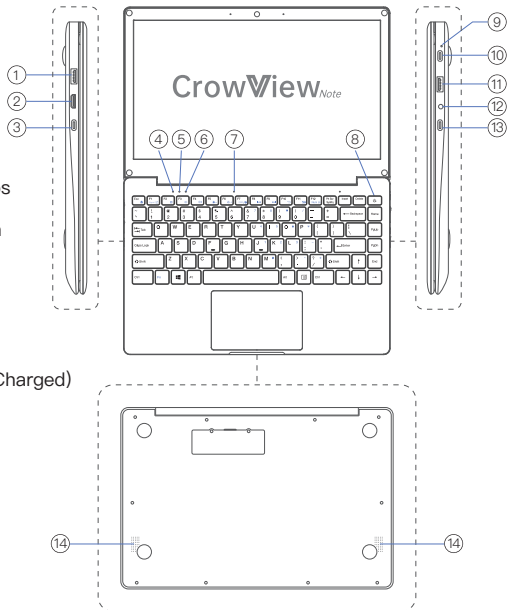
CrowView Note for Arduino UNO Q is a highly integrated, all-in-one portable development kit built for embedded development and mobile creation.

The Arduino UNO Q features an innovative dual-chip architecture combining an AI-capable Linux processor with a real-time control unit, meeting both high-performance computing and real-time control demands. Its USB-C interface consolidates power delivery, audio/video transmission, Ethernet, and HID into a single connection, greatly reducing system setup complexity.














The CrowView Note integrates a 14-inch HD display, full-size keyboard, touchpad, speakers, microphone, and a 5,000mAh built-in battery. Connecting directly to the Arduino UNO Q via a full-featured Type-C interface, it delivers power, display output, and human-machine interaction in one link. Together, the Arduino UNO Q handles computation and control while the CrowView Note provides display and interaction — forming a portable embedded development workstation that unifies development, debugging, and deployment.

02 CrowView Note Interface


- ① **USB-A:** Connect the master device
- ② **Mini HD:** Transmit the signal
- ③ **Type-C:** Power output(PD 5V/5A Output)
- ④ **Status Indicator:** Keep white during operation
- ⑤ **Caps Lock Indicator:** Keep white when using Caps
- ⑥ **Num Lock Indicator:** Keep white when using Num
- ⑦ **Microphone**
- ⑧ **Power Button:**
Short press to power on, long press to power off
- ⑨ **Power Indicator:** Red light(Charging),green light(Charged)
- ⑩ **Type-C Interface:** Power supply(PD 45W)
- ⑪ **USB-A:** Connect the peripherals
- ⑫ **Headphone Jack**
- ⑬ **Type-C:** Full-featured (PD Output)
- ⑭ **Speakers**




03 CrowView Note Keyboard Shortcuts

 Esc	 F7 OSD/🔊	OSD and set up
 F1 Signal 📡	 F8 ⏪	Up
 F2 🖱️	 F9 ⏩	Down
 F3 🔊 -	 F10 ⏪	Back
 F4 🔊 +	 F11 🔋	Battery
 F5 🌟 -	 F12 Num Lk	Num lock/unlock
 F6 🌟 +		

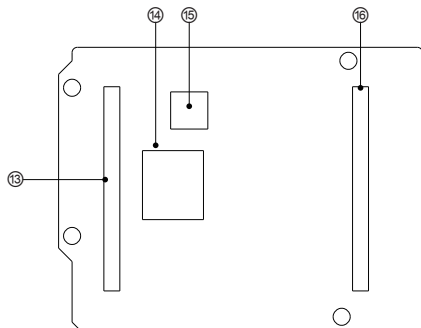
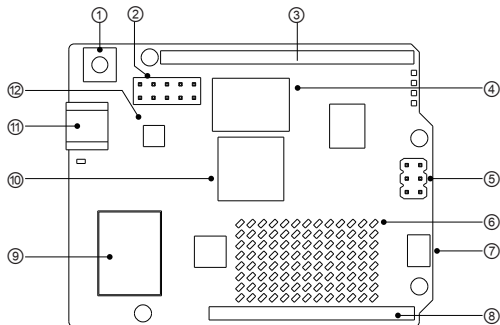
OSD Mode

When Fn+Esc is pressed and the screen appears  , which indicates that the Fn shortcut key function is disabled. In this case, we can use the traditional functions of F1~F12. To use the shortcut function of F1~F12, please press Fn+F1~F12. For example, if you press Fn+F4, the volume will be amplified.

When Fn+Esc is pressed and the screen appears  , which indicates that the Fn shortcut key function is available. In this case, we can use the shortcut functions of F1~F12. For example, if you press F4, the volume will be amplified. To use the traditional function of F1~F12, please press Fn+F1~F12

04 Arduino UNO Q Overview

Note: The labels in this diagram are for reference only. For final hardware specifications and pin definitions, please refer to the official Arduino UNO Q technical documentation.

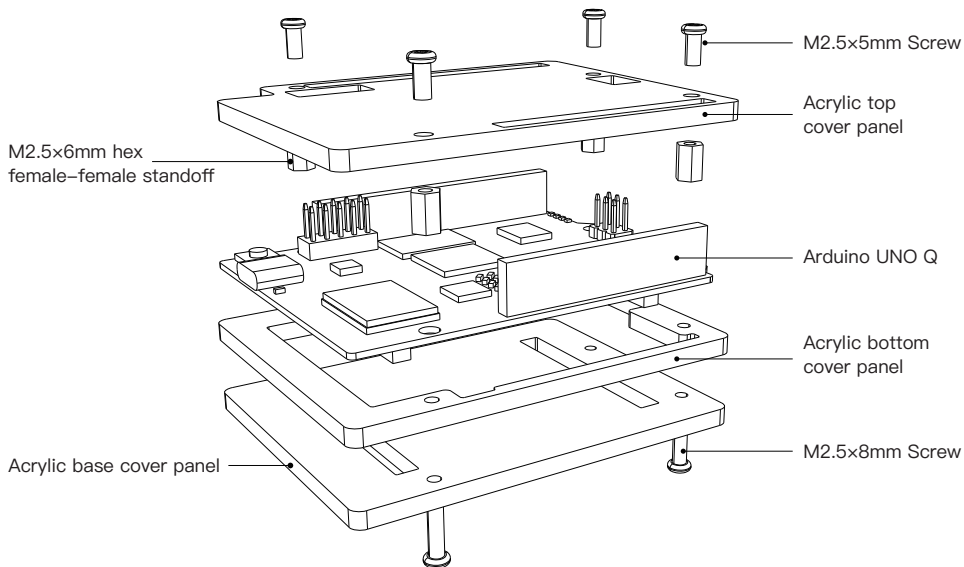


- | | |
|----------------------------|-------------------------------|
| ① Power Button | ⑦ IIC Connector |
| ② Control Header | ⑧ Analog Header, MCU Pins |
| ③ Digital Header, MCU Pins | ⑨ Wi-Fi & Bluetooth Module |
| ④ LPDDR4X RAM | ⑩ Application Processor (MPU) |
| ⑤ SPI Header | ⑪ USB-C Connector |
| ⑥ LED Matrix | ⑫ DSI to Display Port Bridge |

- | |
|--|
| ⑬ Miscellaneous Header, MCU Pins |
| ⑭ eMMC Storage |
| ⑮ Real-Time Microcontroller (MCU) |
| ⑯ Media Header, MPU Pins, MIPI DSI/CSI |

The USB Power Delivery (USB PD) protocol only supports 5V/3A power delivery (higher voltage is not supported). The USB-C® port features host/device role switching, power role switching, and video output.

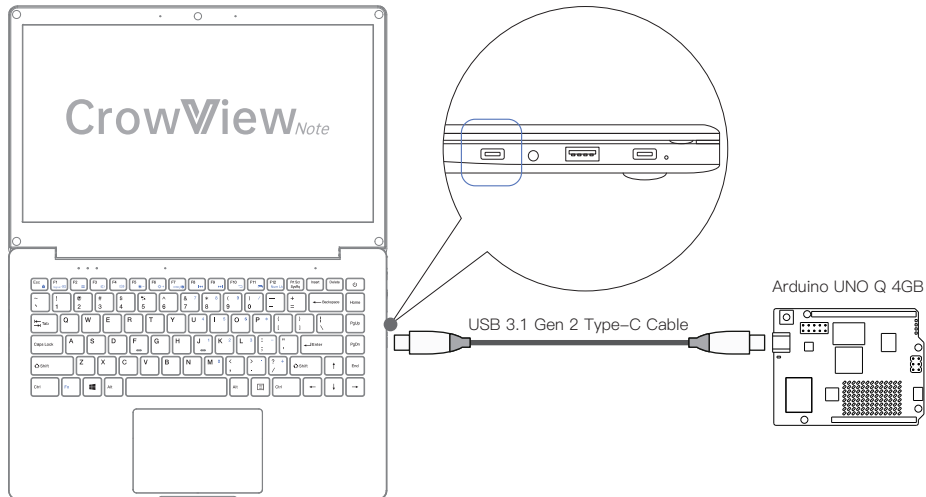
05 Acrylic Mount Assembly Diagram



06 Connecting

Step 1:

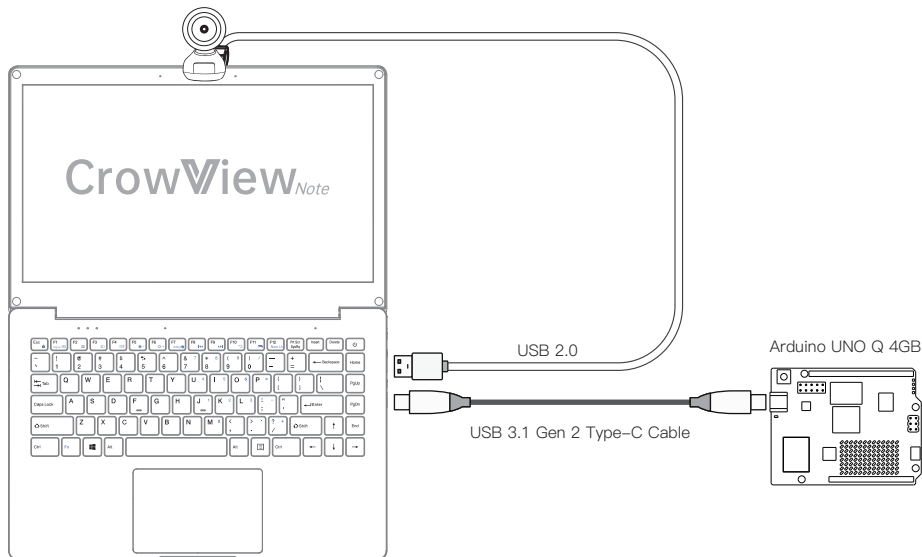
Connect the Arduino UNO Q to the CrowView Note's full-featured USB-C port via a USB 3.1 Gen 2 Type-C Cable.



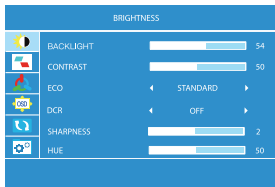
06 Connecting

Step 2:

Connect the external camera to the CrowView Note via its built-in USB cable.

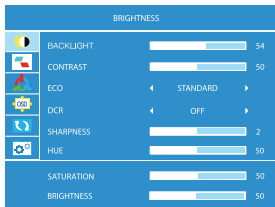


07 CrowView Note OSD Settings



1. Press F7 to enter OSD menu or set up option.
2. Press F8 or F9 to select the corresponding option or adjust parameter value.
3. Press F10 to return to previous step.

Note: Make sure the Fn shortcut key function is available.



BRIGHTNESS

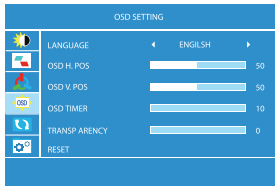
BACKLIGHT: Adjustable range: 0–100 **CONTRAST:** Adjustable range: 0–100

ECO: STANDARD/RTS/FPS/MOVIE/GAME/TEXT

DCR: OFF/ON

SHARPNESS: Adjustable range: 0–4 **HUE:** Adjustable range: 0–100

SATURATION: Adjustable range: 0–100 **BRIGHTNESS:** Adjustable range: 0–100



OSD SETTING

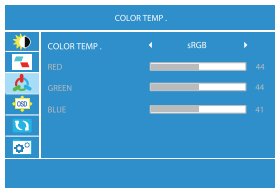
LANGUAGE: English, French, German, Simplified Chinese, Italian, Spanish, Portuguese, Turkish, Polish, Dutch, Japanese, Korean

OSD H.POS: Adjustable range: 0–100 **OSD V.POS:** Adjustable range: 0–100

OSD TIMER: Adjustable range: 10–60 **TRANSPARENCY:** Adjustable range: 0–100

RESET: Initialising the device

07 CrowView Note OSD Settings



COLOR TEMP

COLOR TEMP: sRGB/USER/WARM/COOL

(RGB can only be adjusted in USER mode.)

RED: Adjustable range: 0–100

GREEN: Adjustable range: 0–100

BLUE: Adjustable range: 0–100



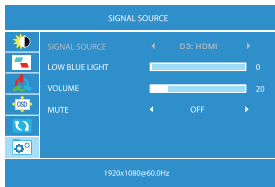
MISC

ASPECT: WIDE/4: 3

FREESYNC: OFF/ON

OD: OFF/ON

CLONE: OFF/ON



SIGNAL SOURCE

LOW BLUE LIGHT: 0–4

VOLUME: Adjustable range: 0–100

MUTE: OFF/ON

08 Other Type–C Devices Supported by CrowView Note

Smart Phone	
Apple	iPhone15 Pro, iPhone15 Pro Max, iPhone16 Pro, iPhone16 Pro Max
Huawei	Mate10, Mate10pro, Mate20, Mate20pro, Mate30, Mate30pro, Mate30RS, Mate40, Mate40pro, Mate40pro+
	Mate40RS, Mate50, Mate50Pro, Mate50RS, P20, P20 Pro, P20 RS, P30, P30 Pro, P40, P40 Pro, P50, P50 Pro
Samsung	Galaxy S8, Galaxy S8+, Galaxy S9, Galaxy S9+, Galaxy S10, GalaxyS10+, Galaxy S10e, Galaxy S20, Galaxy S20+
	Galaxy S20 Ultra, Galaxy S21, Galaxy S21+, Galaxy S21 Ultra, Galaxy S22, Galaxy S22+, Galaxy S22 Ultra
	Galaxy S23, Galaxy S23+, Galaxy S23 Ultra, Galaxy Note8, Galaxy Note9, Galaxy Note10, Galaxy Note20
Laptops	
Apple	Macbook, MacBook Pro, MacBook Air (new)
Huawei	MateBook 13, MateBook X Pro, MateBook X, MateBook E, MateBook 14, MateBook 16
Samsung	Notebook 9 Pro, Notebook 7 Spin, Notebook 9, Notebook Flash
Microsoft	Surface Book 2
	VivoBook Flip, ROG STRIX Hero Edition, ROG Zephyrus M GM501GS, ROG STRIX
ASUS	Scar Edition, ZenBook Pro 15, ZenBook S, ROG Strix
	XPS9380, XPS 13 9370, Inspiron 13, Inspiron 15, Alienware 17, Alienware 15 R4, Latitude 5590, G3 17
Dell	Latitude7320, Latitude7420, Latitude7520, Latitude9510
	Pavilion x360, ENVY x360, Pavilion 15–cc610ms, ENVY x2, Pavilion 15–cx0051ms, EliteBookFolio G1
HP	ENVY x2 Detachable 12–E068MS, ENVY Notebook 17–u193ms, EliteBook 1050
	Legion Y7000, Legion Y7000P, Legion Y9000K, Miix 630, Flex 14 81EM000LUS, Flex 14 81EM000KUS
Lenovo	Flex 5 81CA0013US, Ideapad 720S, Flex 5 81CA0016US, ThinkBook14, ThinkBook15, ThinkBook16

More devices will be updated continuously...

09 FAQs

Q: What should I do if CrowView Note is not displayed ?

A:

1. Please make sure to power the CrowView Note through the Type-C Interface.
2. Please make sure your device supports Type-C with full-featured.
3. Reboot your device and CrowView Note.

Q: What should I do if the keyboard and touchpad of CrowView Note do not work when the HD cable is connected ?

A: Make sure the CrowView Note's ① USB-A interface is connect to your master device.
If connect to the ② USB-A interface, the CrowView Note's keyboard and touchpad are not available.

Q: Why doesn't the CrowView Note's speaker make a sound ?

A: Please make sure whether the speaker volume of CrowView Note is 0 and your master device is muted.

Q: Why does the touchpad still not work even though I have connected to the CrowView Note ① USB-A ?

A: Please make sure that the touchpad is in an available state.
You can change the touchpad status by F2 or Fn+F2.

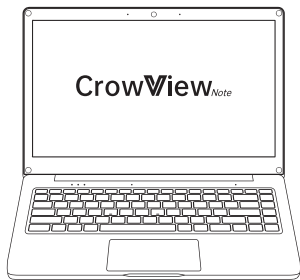
Q: If I connect two master devices at the same time, how should I switch the signal ?

A: You can switch the signal by F1 or Fn+F1.

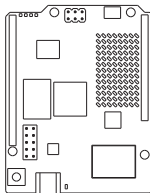
Q: Why can't the CrowView Note power other devices ?

A: Please check if your device can be powered by 5V. The CrowView Note output is 5V.

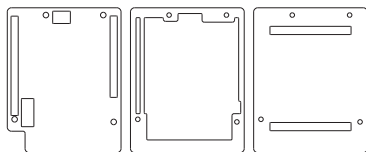
10 Packing List



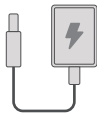
CrowView Note*1



Arduino UNO Q 4GB * 1



Case for Arduino UNO Q (Screws Included)



Adapter*1



Camera*1



User Manual*1



HDMI to Mini HDMI Cable (1m)



Full-featured Type-C Cable (1m)



USB-A to USB-A Cable

11 Parameters

Screen Size	14"
Resolution	1920*1080 (FHD)
Color Gamut	100% sRGB or 72% NTSC
Brightness	300cd/m ²
Aspect Ratio	16:9
Power Supply	PD 5V-3A/9V-3A/12V-3A/15V-3A
Interface	1* Type-C (power supply) 1* Type-C (full-featured) 1* Type-C (power output) 1* Mini HD 2* USB-A
Battery	7.4V 5000mAh
Speaker	8Ω/2W 2*Speaker
Size	334*223*20mm
Weight	1200g
Camera Max Resolution	640×480
Camera Driver	Driverless (Plug & Play)
Camera Cable Length	1.2m

12 Customer Support

If you have any questions, customer support is always stand by.



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