



Framework® Computer Inc

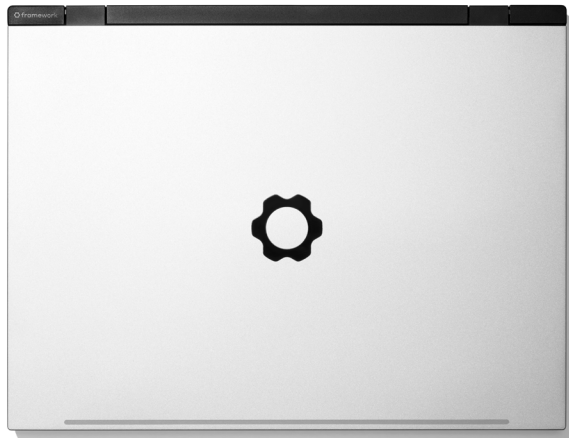
Model:FRAGPE0000

Product:Framework Laptop 16 (AMD Ryzen™ AI 300 Series)



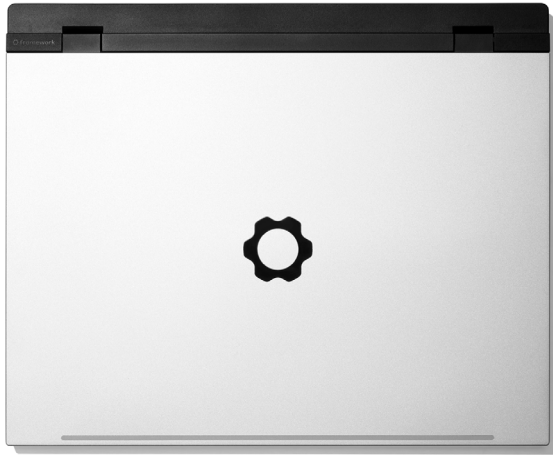
# System Photos

Framework Laptop 16 - Expansion Bay Shell

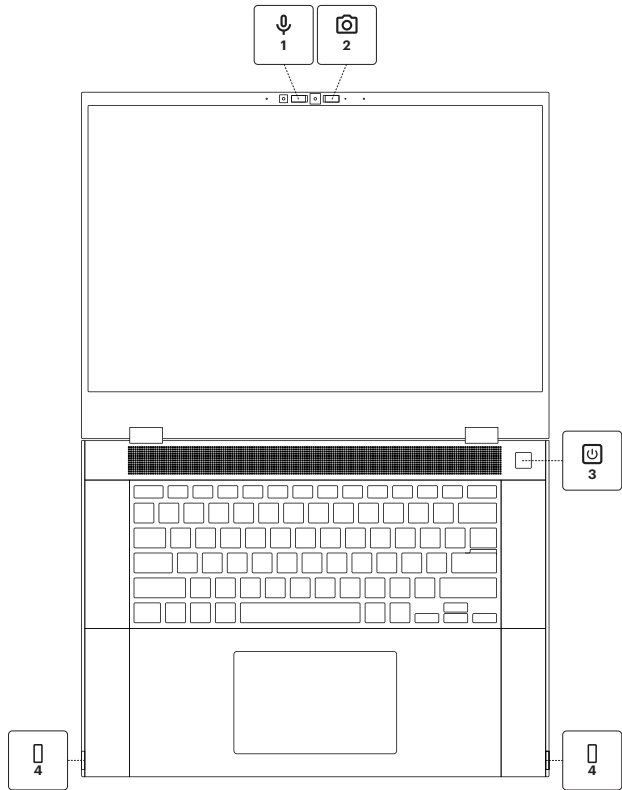


# System Photos

Framework Laptop 16 - Graphics Module



# Laptop Overviews

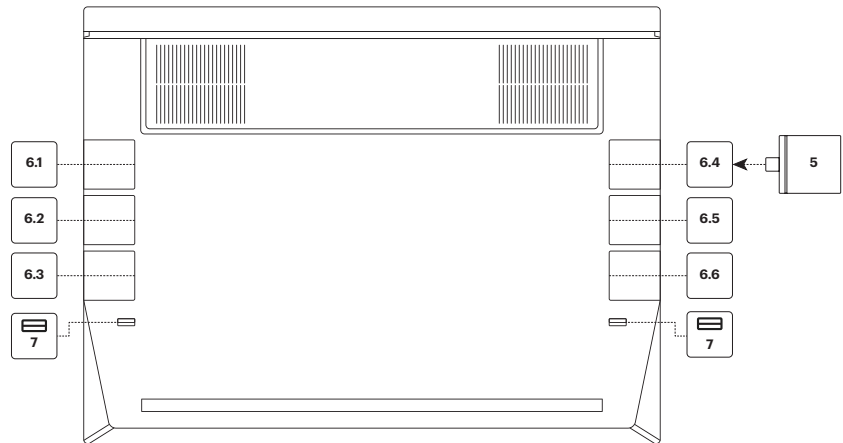


 1 Microphone Privacy Switch

 2 Camera Privacy Switch

 3 Power Button and Fingerprint Reader

 4 Input Module Latch



Expansion Bay Shell

 5 Expansion Card

 6.1 Type-C Connector  
資料傳輸：USB4. Power Delivery IN/OUT 48V, 5A;  
36V, 5A / 5V, 3A 影音傳輸:3840\*2160(60Hz)

 6.2 Type-C Connector  
資料傳輸：USB3.2. Power Delivery IN/OUT 48V, 5A;  
36V, 5A / 5V, 3A 影音輸出:3840\*2160(60Hz)

 6.3 Type-C Connector  
資料傳輸：USB3.2. Power Delivery OUT 5V, 1.5A

 6.4 Type-C Connector  
資料傳輸：USB4. Power Delivery IN/OUT 48V, 5A;  
36V, 5A / 5V, 3A 影音傳輸:3840\*2160(60Hz)

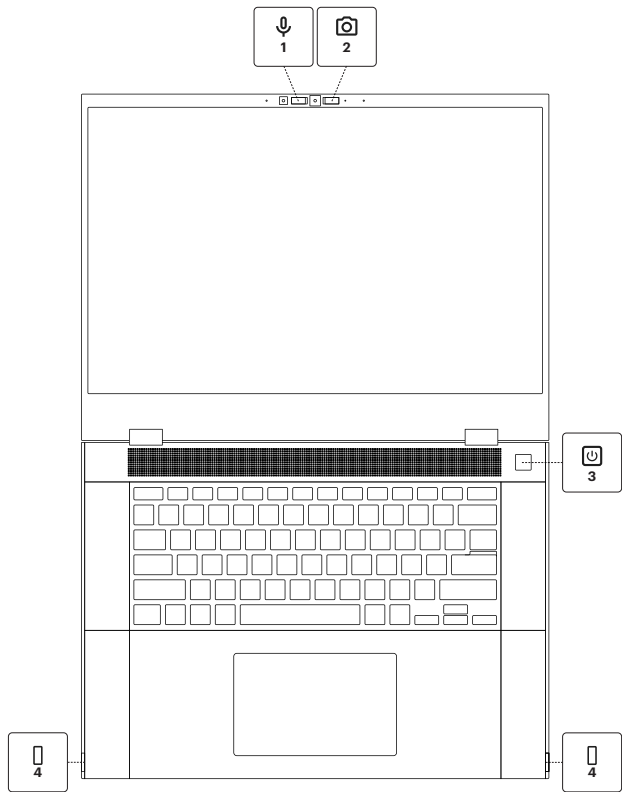
 6.5 Type-C Connector  
資料傳輸：USB3.2. Power Delivery IN/OUT 48V, 5A;  
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 6.6 Type-C Connector  
資料傳輸：USB3.2. Power Delivery OUT 5V, 1.5A

 7 Expansion Card Latch

 8 Type-C Connector  
資料傳輸：USB2.0,Power Delivery IN/OUT48V, 5A;  
36V, 5A / 5V, 3A 影像輸出:3840\*2160(60Hz) (僅Graphics  
module機種)

# Laptop Overviews

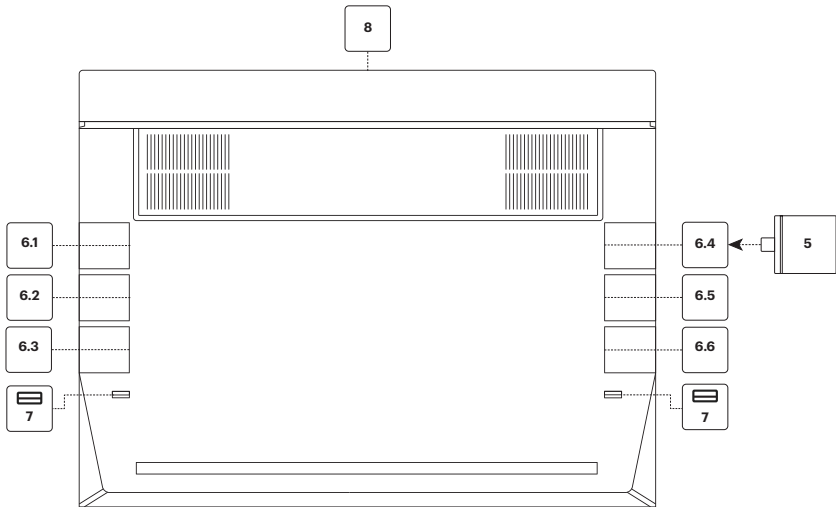


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Graphics Module

5 Expansion Card

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## Important Safety and Handling Information

This section of the User Manual contains safety, handling, disposal, recycling, and regulatory information, as well as the limited warranty for the Framework® Laptop 16, including all current and future models of the FRAGPE0000. Please read all safety information and operating instructions before using the Framework® Laptop to avoid injury or harm. For a downloadable version of the Framework® Laptop 16 support guide please visit the following website.

<https://frame.work/support>

### General Safety Guide

Read the following safety, operating, and warning instructions before you use Framework® Laptop 16. Failing to do so may cause injury.

The Framework Laptop USB-C power source max supply is 3A (first and second port on both side) output when only a single port is used, if the second USB-C is also in use the power source mode will drop to 1.5A. As for USB IO ports on the bottom of both side, the max supply is 1.5A

#### **WARNING: Choking Hazards**

The Framework® Laptop 16 has small parts that may present a choking hazard to small children and pets. Keep the Framework® Laptop 16 and its accessories away from small children.

#### **WARNING: Rechargeable Lithium Ion Battery**

Caution: Risk of explosion if battery is replaced with the incorrect type. The battery used in this device may present a risk of fire or chemical burn if mistreated.

Do not use the Framework Laptop 16 if its cover or the battery's plastic or mylar cover has been cracked or compromised in any way.  
Do not use the battery in the event of battery leakage.  
Do not expose the battery to excessive physical shock, excessive heat, or fire.  
Do not attempt to dismantle, pierce, distort, or cut the battery, and do not attempt to repair the battery.

We recommend that you replace the battery with battery model FRANDB0000 or other Framework - recommended batteries only. For more information in regards to Framework - recommended batteries and used battery recycling instructions please visit <https://fr.mw/FRANDBAT>.

Keep away from children. For additional handling information please visit our online manual that can be found at the following link: <https://frame.work/support>.

#### **WARNING: ESD Shock**

The Framework® Laptop 16 includes internal components that are sensitive to ESD. Improper use may result in electrostatic shock to the user or minor to severe damage to the product. Please visit our support page for more information in regards to operating and repairing the Framework® Laptop 16 properly to avoid ESD issues.

#### **WARNING: Hearing Damage**



To prevent possible hearing damage, do not listen at high volume levels for long periods.

**⚠ WARNING: Prop 65**

WARNING: This product can expose you to Bisphenol A material, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **Operating Guide: Temperature, Storage, Use, and Replacement**

Operate and store the Framework® Laptop 16 in a place where the temperature is between 5C -35C (41F - 95F) (operating) -25C- 45C (-13F - 113F) (storage). Low or high-temperature conditions might cause the Framework® Laptop 16 to temporarily stop working properly.

Do not place the Laptop directly on the user's lap and exposed skin. Avoid using your Laptop with the base resting directly on the skin. The surface temperature may rise during normal operation. Sustained contact with exposed skin may cause discomfort or burn.

Do not operate the Framework® Laptop 16 without all of the removable components installed. Operation must include all components.

Please follow the below safety instructions in order to safely replace all of the Framework® Laptops interchangeable components.

Remove your Laptop from all power sources by unplugging your AC cable from your power outlet

Turn your computer off

Wait until your Laptop is completely cool to the touch to open or remove any internal components (This can take anywhere from 5 - 30 minutes).

CAUTION: if you do not wait for the Laptop to cool down you may risk the chance of encountering hot components which may result in a potential burn risk.

### **Powering Framework® Laptop 16 Back On**

Before restarting the Framework® Laptop 16 users must ensure that all screws are in place and tightened both internally and externally. The user must also ensure that all of the interchangeable components must be in their original locations. For instructions on the reassembly of the Framework® Laptop 16 - please refer to the replacement instructions in the reverse order. Please access the following link for assembly and disassembly instructions. The Framework Laptop should not be opened for 20 minutes after removing the power cord. Remove the power cord before disassembling the laptop.

### **Operating Guide: Charging**

Examine the power adapter cord regularly for damage. Never use a damaged power adapter cord. Use only certified power adapter cords for charging. Misuse can cause electrical shock.

Do not use the Framework® Laptop 16 if its mylar cover has been cracked or compromised in any way.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

## Framework Computer Inc Limited Warranty

By using your Framework Computer Inc ("Framework") product, you agree to be bound by the terms of the Framework Limited Warranty ("Warranty"). See website:  
<http://frame.work/support/warranty>

If you do not agree to the terms of the Warranty, please return the Product within the return period stated in Framework's Terms of Sale.

## Framework® Laptop Declaration of Conformity

### CE Declaration of Conformity

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency. All certifications pertain to Model Number: FRANGPE0000.

### European Union



Hereby, Framework Computer Inc declares that Framework Laptop 16, FRANGPE0000 is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directives: 2014/53/EU, RoHS Directive 2011/65/EU, Ecodesign Directive 2009/165/EC

The following Safety and Health standards have been applied: Article 3.1a: EN IEC 62368-1:2020+A11:2020 and EN 50566:2017 Article 3.1a: EN 301 489-1 V2.2.3 and EN 301 489-17 V 3.2.4

Other Tests: EMC - CISPR 32/CISPR 35, EN55032/55035, Commission Regulation (EU) No. 617/2013, EN 62623:2013, EN 50581:2012, EN IEC 63000:2018, REACH

The EC Declaration of Conformity can be referenced at the below link: <https://frame.work/support>

Deactivating the power management function will increase energy consumption.

Operation in 5150~5350MHz & 5945~6425MHz is restricted to indoor use only.

Operation in 5945~6425 MHz is restricted to be used on Unmanned Aircraft Systems (UAS) .

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

| Radio Type/Description |            | Transmitter Frequency (MHz) | Maximum Output Power (dBm) |
|------------------------|------------|-----------------------------|----------------------------|
| Bluetooth              | BR+EDR     | 2402-2480                   | 20                         |
|                        | Low Energy | 2402-2480                   | 20                         |
| WLAN 2.4G              |            | 2412-2480                   | 20                         |

| Radio Type/Description | Transmitter Frequency (MHz) | Maximum Output Power (dBm) |
|------------------------|-----------------------------|----------------------------|
| WLAN 5G                | 5150-5350                   | 23                         |
|                        | 5470-5725                   | 23                         |
|                        | 5725-5850                   | 13.98                      |
| WLAN 6G                | 5945-6425_LPI               | 23                         |
|                        | 5945-6425_VLP               | 14                         |

## United States



This device complies with FCC CFR Title 47, Part 15, Subpart B, Class B 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.

## Federal Communications Commission (FCC) Statement

15.105(b)

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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
  2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated, keeping the radiator at least 20cm or more away from the person's body.
- Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

## Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

#### **Caution: Exposure to Radio Frequency Radiation**

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. To comply with RSS 102 RF exposure compliance requirements, this equipment should be installed and operated, keeping the radiator at least 20cm or more away from the person's body.

Operation in 5150~5250MHz & 5850~5895MHz is for indoor use only.

1. Devices shall not be used for control of or communications with unmanned aircraft systems.
2. Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for operating in the 5925-6425 MHz on large aircraft flying above 3,048 m (10,000 ft).

#### **United Kingdom**

Hereby, Framework Computer Inc declares that Framework Laptop 16, FRAGPE0000 is in compliance with the essential requirements and other relevant provisions of Radio Equipment Regulations 2017.

The EC Declaration of Conformity can be referenced at the below link: <https://frame.work/support>



447 Sutter St. PMB 135, San Francisco, CA, 94108-4618, United States+1 (415) 475 - 3769

#### **End of Life Product Disposal**

At the end of this product's life, do not dispose of this product in your general household waste. Instead, in order to prevent possible harm to the environment or human health from uncontrolled waste disposal, please dispose of this product separately in accordance with your local laws and regulations.

For more information on the separate collection systems for waste electrical and electronic equipment that are available for consumers near your home free of charge, please contact your local municipality. You can also contact the retailer from which you purchased your Framework Laptop 16 as they may have recycling services or may be part of a specific recycling program.

If disposed of properly, this product will be treated in an environmentally sound manner at a licensed recycling plant and its components will be recovered, recycled or reused in the most efficient manner in compliance with the requirements of the Directive on Waste Electrical and Electronic Equipment (2012/19/EU) of 14 February, 2014 (as subsequently amended or replaced) ("2012/19/EU").

#### **Battery Disposal**

Damaged or unusable batteries must be disposed of in a container specially reserved for this purpose. When disposing of the battery, follow appropriate local guidelines and regulations. For further information, contact your local solid waste authority.



The trash can symbol on the Framework Laptop or on its packaging indicates that it must not be disposed of with your other household waste, pursuant to 2012/19/EU. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

## **Bluetooth**

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## **Registered Trademarks**

All trademarks mentioned in this guide are the property of their respective owners

**Framework® Laptop 16 Portable Computer Technical Information**

| Component    | Framework Laptop 16 (AMD Ryzen™ AI 300 Series)<br>AI5 340                                                                                              | Framework Laptop 16 (AMD Ryzen™ AI 300 Series)<br>AI5 340<br>GeForce RTX 5070                                                                        | Framework Laptop 16 (AMD Ryzen™ AI 300 Series) -AI 300 Series) - AI9 HX 370                                                                          | Framework Laptop 16 (AMD Ryzen™ AI 300 Series) -<br>AI9 HX370<br>GeForce RTX 5070                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor    | AMD Ryzen™ AI 7 350                                                                                                                                    | AMD Ryzen™ AI 7 350                                                                                                                                  | AMD Ryzen™ AI 9 HX 370                                                                                                                               | AMD Ryzen™ AI 9 HX 370                                                                                                                               |
| Graphics     | AMD Radeon 860M                                                                                                                                        | NVIDIA GeForce RTX 5070                                                                                                                              | AMD Radeon 890M                                                                                                                                      | NVIDIA GeForce RTX 5070                                                                                                                              |
| Memory       | 16GB ( 2x16GB DDR5 5600)<br><br>32GB (2x16GB DDR5 5600)<br><br>48GB ( 1x48GB DDR5 5600 )<br><br>64GB (2x32GB DDR5 5600)<br><br>96GB ( 2x48GB DDR5 5600 | 16GB ( 2x16GB DDR5 5600)<br><br>32GB (2x16GB DDR5 5600)<br><br>48GB ( 1x48GB DDR5 5600<br><br>64GB (2x32GB DDR5 5600)<br><br>96GB ( 2x48GB DDR5 5600 | 16GB ( 2x16GB DDR5 5600)<br><br>32GB (2x16GB DDR5 5600)<br><br>48GB ( 1x48GB DDR5 5600<br><br>64GB (2x32GB DDR5 5600)<br><br>96GB ( 2x48GB DDR5 5600 | 16GB ( 2x16GB DDR5 5600)<br><br>32GB (2x16GB DDR5 5600)<br><br>48GB ( 1x48GB DDR5 5600<br><br>64GB (2x32GB DDR5 5600)<br><br>96GB ( 2x48GB DDR5 5600 |
| Storage      | 512GB SSD<br>1TB SSD<br>2TB SSD                                                                                                                        | 512GB SSD<br>1TB SSD<br>2TB SSD                                                                                                                      | 512GB SSD<br>1TB SSD<br>2TB SSD                                                                                                                      | 512GB SSD<br>1TB SSD<br>2TB SSD                                                                                                                      |
| Connectivity | MT7925B22M<br>Bluetooth 5.4                                                                                                                            | MT7925B22M<br>Bluetooth 5.4                                                                                                                          | MT7925B22M<br>Bluetooth 5.4                                                                                                                          | MT7925B22M<br>Bluetooth 5.4                                                                                                                          |
| OS           | Windows 11 Pro NextGen<br>Premium - NOL-00001                                                                                                          | Windows 11 Pro NextGen Premium -<br>NOL-00001                                                                                                        | Windows 11 Pro NextGen Premium -<br>NOL-00001                                                                                                        | Windows 11 Pro NextGen Premium - NOL-<br>00001                                                                                                       |
| Display      | 16" 2560x1600                                                                                                                                          | 16" 2560x1600                                                                                                                                        | 16" 2560x1600                                                                                                                                        | 16" 2560x1600                                                                                                                                        |
| Battery      | 85Wh                                                                                                                                                   | 85Wh                                                                                                                                                 | 85Wh                                                                                                                                                 | 85Wh                                                                                                                                                 |
| Ports        | 6x User-selectable Expansion<br>Cards                                                                                                                  | 6x User-selectable Expansion Cards                                                                                                                   | 6x User-selectable Expansion Cards                                                                                                                   | 6x User-selectable Expansion Cards                                                                                                                   |
| Camera       | 1080p 60fps                                                                                                                                            | 1080p 60fps                                                                                                                                          | 1080p 60fps                                                                                                                                          | 1080p 60fps                                                                                                                                          |
| Biometrics   | Fingerprint Reader                                                                                                                                     | Fingerprint Reader                                                                                                                                   | Fingerprint Reader                                                                                                                                   | Fingerprint Reader                                                                                                                                   |
| Dimensions   | UMA: 356.58 x 270 x 17.95 (w/o<br>rubber feet)<br>dGPU: 356.58 x 290.2 x 20.95<br>(w/o rubber foot)                                                    | UMA: 356.58 x 270 x 17.95 (w/o rubber<br>feet)<br>dGPU: 356.58 x 290.2 x 20.95 (w/o<br>rubber foot)                                                  | UMA: 356.58 x 270 x 17.95 (w/o rubber<br>feet)<br>dGPU: 356.58 x 290.2 x 20.95 (w/o<br>rubber foot)                                                  | UMA: 356.58 x 270 x 17.95 (w/o rubber<br>feet)<br>dGPU: 356.58 x 290.2 x 20.95 (w/o<br>rubber foot)                                                  |

|                      |                                             |                                             |                                             |                                             |
|----------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| <b>Weight</b>        | UMA: 2.1kg<br>dPGU: 2.4kg                   | UMA: 2.1kg<br>dPGU: 2.4kg                   | UMA: 2.1kg<br>dPGU: 2.4kg                   | UMA: 2.1kg<br>dPGU: 2.4kg                   |
| <b>Power Adapter</b> | 240W USB-C                                  | 240W USB-C                                  | 240W USB-C                                  | 240W USB-C                                  |
| <b>Warranty</b>      | US: 1 Year Limited<br>UK/EU: 2 Year Limited | US: 1 Year Limited<br>UK/EU: 2 Year Limited | US: 1 Year Limited<br>UK/EU: 2 Year Limited | US: 1 Year Limited<br>UK/EU: 2 Year Limited |

**Portable Computer Certifications**

| Region                | Directive                     | Test Standard                                                                                                                                                                                                | Category |
|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Global                | RoHS                          | Directive 2011/65/EU                                                                                                                                                                                         | Green    |
| Global                | REACH (SVHC) Declaration      | Regulation (EC) no 1907/2006                                                                                                                                                                                 | Green    |
| Global                | Halogen Free (HF) Requirement | IEEE Std. 1680.1-2018                                                                                                                                                                                        | Green    |
| USA                   | DOE & CEC BCS                 | CEC BCS: California Code of Regulations, Title 20, Division 2, Chapter 4. Energy Conservation - Battery Charging System, DoE BC: Energy Conservation Standards for Battery Chargers 10 CFR Parts 429 and 430 | Green    |
| USA                   | CEC Computer                  | Appliance Efficiency Regulations of California Energy Commission. California Code of Regulations, Title 20, Division 2, Chapter 4. Energy Conservation-Computers.                                            | Green    |
| USA                   | E-Star                        | ENERGY STAR Program Requirements for Computers Version 8.0                                                                                                                                                   | Green    |
| USA                   | California Prop65             | California Proposition 65                                                                                                                                                                                    | Green    |
| Canada                | NRCan BCS                     | CAN/CSA-C381.2-17 Energy performance of battery charging systems and uninterruptible power supplies, May 01, 2017                                                                                            | Green    |
| EU                    | ErP lot3 or 6/26              | Regulation (EC) no 1275/2008<br><br>Regulation (EU) 2023/826                                                                                                                                                 | Green    |
| EU                    | WEEE Report                   | Directive 2012/19/EU                                                                                                                                                                                         | Green    |
| Australia/New Zealand | AUS/NZ MEPS                   | AS/NZS 5813.1:2012 & AS/NZ 5813.2:2012                                                                                                                                                                       | Green    |
| Japan                 | JEL                           | 2019 JEITA IS-536                                                                                                                                                                                            | Green    |
| South Korea           | Korea MEPS                    | KS C IEC 62301                                                                                                                                                                                               | Green    |

| Region                | Directive                    | Test Standard                                                                                                              | Category |
|-----------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
| Taiwan                | BMSI-RoHS                    | CNS 15663                                                                                                                  | Green    |
| EU                    | CE                           | EN 5532:2015+A11:2020 Class B, EN 55035:2017+A11:2020                                                                      | EMC      |
| USA                   | FCC                          | FCC CFR Title 47, Part 15, Subpart B, Class B                                                                              | EMC      |
| Japan                 | VCCI                         | VCCI-CISPR 32:2016                                                                                                         | EMC      |
| Australia/New Zealand | RCM                          | CISPR 32:2015+AMD1:2019<br>AS/NZS CISPR 32:2015+AMD1:2020                                                                  | EMC      |
| Taiwan                | BSMI                         | CNS 15936(105 年版 )                                                                                                         | EMC      |
| South Korea           | MSIP                         | KS C 9832:2023, KS C 9835:2019                                                                                             | EMC      |
| Canada                | ISED                         | ICES-003, Issue 7<br>ANSI C63.4-2014<br>ANSI C63.4a-2017                                                                   |          |
| N/A                   | Testing Fee in 3rd Party Lab | ISO/IEC 17025:2017                                                                                                         | EMC      |
| EU                    | CB                           | IEC 62368-1:2018 (Third Edition)                                                                                           | Safety   |
| USA                   | Nemko CCL                    | UL 62368-1, 3rd Edition, CAN/CSA C22.2 No. 62368-1-19, 3rd Edition                                                         | Safety   |
| Taiwan                | BSMI                         | CNS15598-1(109), CNS15936(105)                                                                                             | Safety   |
| South Korea           | KC Safety                    | KC 62368-1(2021-08)                                                                                                        | Safety   |
| USA                   | FCC                          | FCC Part 2, Section 2.1091,<br>FCC Part 15, Subpart C 15.247,<br>FCC Part 15, Subpart 15.407                               | RF       |
| Canada                | IC                           | RSS102 Issue 6,<br>RSS-247 Issue 3 Aug. 2023,<br>RSS-Gen Issue 5, Amendment 2, February 2021<br>RSS-248, issue 3 Oct. 2024 | RF       |
| EU                    | CE                           | EN 300 328 V2.2.2, EN 300 893 V2.1.1, EN 300 440 V2.2.1<br>EN 303 687 V1.1.1, EN IEC 62311:2020, EN 50665:2017.            | RF       |
| Australia/New Zealand | ACMA                         | AS/NZS 4268:2017+Amd 1:2021,Radiocommunications Equipment (General) Rules 2021 and AS/NZS 2772.2:2016+Amd 1:2018.          | RF       |
| Taiwan                | NCC                          | LP0002                                                                                                                     | RF       |

## EMC Statement

EMC Emissions Class refers to one of the following use environments:

EMC Class B products are intended for use in residential/domestic environments but may also be used in non-residential/non-domestic environments.

## RF Classification

| RF OUTPUT                   | Model Number | Max Output Power:dBuA/m |
|-----------------------------|--------------|-------------------------|
| LAPTOP                      | FRAGPE0000   | N/A                     |
| MAINBOARD                   | FRANMH0000   | N/A                     |
| EXPANSION CARD_HDMI         | FRACCHBZ01   | N/A                     |
| EXPANSION CARD_USBC         | FRACCKBZ01   | N/A                     |
| EXPANSION CARD_USBC         | FRACCCBZ01   | N/A                     |
| EXPANSION CARD_USBA         | FRACCABZ01   | N/A                     |
| EXPANSION CARD_Display Port | FRACCCDBZ01  | N/A                     |
| EXPANSION CARD_MICRO SD     | FRACCCMBZ01  | N/A                     |
| EXPANSION CARD_MICRO SD     | FRACCVBZ01   | N/A                     |
| 1TB Expansion Card          | FRACCFBZ0A   | N/A                     |
| 250GB Expansion Card        | FRACCFBZ02   | N/A                     |
| Ethernet Expansion Card     | FRACCTBZ00   | N/A                     |
| Audio Expansion Card        | FRACCCJBZ01  | N/A                     |
| Expansion Card_SD           | FRACCNBZ01   | N/A                     |

NOTE: All of the items categorized as peripheral have been certified as unintentional radiators and comply with 47 CFR § 15.

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.

## Accessory Technical and Certification Information

### Power Supply Technical Information

|                                |             |
|--------------------------------|-------------|
| Input Voltage                  | 110-240 VAC |
| Input Current (Maximum)        | 1.5A        |
| Input Frequency                | 50-60Hz     |
| Rated Output Current (Maximum) | 5A          |
| Maximum Power                  | 240W        |
| No load power                  | <0.15W      |
| Standor                        | USB PD 3.1  |
| Output receptacle              | Type-C      |
| Input receptacle               | C6          |
| AC cable length                | 1.0m        |

#### Power Cord Certifications

| Region                | Directive                     | Standard                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USA/Canada            | UL+CB via UL                  | UL 60950-1, 2nd Edition ,CAN/CSA C22.2 No. 60950-1-07, 2nd Edition<br>UL 62368-1, 2nd Edition, CAN/CSA C22.2 No. 62368-1-14, 2nd Edition<br>IEC 60950-1:2005 (Second Edition) + AMD 1:2009 + AMD 2:2013<br>IEC 62368-1:2014 (Second Edition) |
| USA/Canada            | FCC + ICES                    | 47 CFR FCC Part 15 Subpart B (Class B) ICES-003 Issue 7 : October 2020 (Class B)                                                                                                                                                             |
| USA                   | NRCAN, CEC, DOE               | US DOE: Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430<br>US CEC: California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4. Appliance Efficiency Regulations, Sections 1601 through 1609        |
| Canada                | Energy Efficiency Regulations | NRCAN: Amendment 14 to the Energy Efficiency Regulations for External Power Supplies in the Canada Gazette, Part II<br>Quebec: O.C.1394-2018 in GAZETTE OFFICIELLE DU QUEBEC, December 12, 2018, Vol. 150, No.50                             |
| Australia/New Zealand | GEMS                          | AS/NZS4665.1-2005+A1:2009 AS/NZS4665.2-2005+A1:2009                                                                                                                                                                                          |
| Australia/New Zealand | RCM                           | AS/NZS CISPR 32 ; AS/NZS 62368.1                                                                                                                                                                                                             |

| Region      | Directive                | Standard                                                                                                                                    |
|-------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| EU          | ErP, CoC                 | EU: COMMISSION REGULATION (EU) 2019/1782 of 1 October 2019<br>EU: Code of Conduct on Energy Efficiency of External Power Supplies Version 5 |
| EU          | CE EMC, CE LVD (CB)      | EN 55032:2015+AC:2016, Class B +EN 55024:2010 +A1:2015 + EN55035:2017+EN 301489-1<br>EN 62368-1:2014 + A11:2017                             |
| Taiwan      | BSMI                     | CNS13438(95 年版 ) CNS14336-1(99 年版 ) CNS15663(102 年版 )                                                                                       |
| South Korea | KC                       | KC 62368-1 (2021-08)                                                                                                                        |
| South Korea | KCC+KC<br>K-MEPS via KTC | K60950-1<br>KN32,KN35                                                                                                                       |
| Mexico      | NYCE                     | NOM-001-SCFI-2018/ NMX-I-60950-1-NYCE-2015 NOM-029-ENER-2017                                                                                |
| Japan       | PSE(PHC) via JET         | Appendix 12 J62368-1 (H30), J55032(H29) and J3000(H25)                                                                                      |

Framework's products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation of the product. Contact Framework to determine if alternate power cords or user documentation in other languages is available for your market.

### Expansion Card Technical Information

| Product Name               | Model Number | Input Voltage/Current              | CLASSIFICATION |
|----------------------------|--------------|------------------------------------|----------------|
| EXPANSION CARD_HDMI        | FRACCHBZ01   | USB Type C to HDMI: 5Vdc/700mA     | Peripheral     |
| EXPANSION CARD_USBC        | FRACCCBZ01   | N/A                                | Peripheral     |
| EXPANSION CARD_USBA        | FRACCABZ01   | N/A                                | Peripheral     |
| EXPANSION CARD_250GB       | FRACCFBZ02   | USB Type C to 250GB: 5Vdc/330mA    | Peripheral     |
| EXPANSION CARD_1TB         | FRACCFBZ0A   | USB Type C to 1TB: 5Vdc/400mA      | Peripheral     |
| EXPANSION CARD_MICRO SD    | FRACCMBZ01   | USB Type C to MicroSD: 5Vdc/600mA  | Peripheral     |
| EXPANSION CARD_DisplayPort | FRACCCDBZ01  | USB Type C to DP: 5Vdc/450mA       | Peripheral     |
| EXPANSION CARD_ETHERNET    | FRACCTBZ00   | USB Type C to Ethernet: 5Vdc/185mA | Peripheral     |

### Expansion Card Certifications

| Region | Test                      | Test Specification                                                                                                                                                                                                       |
|--------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU     | CE - Directive 2014/30/EU | EN 55032:2015 +A11:2020, Class B<br>EN 55035:2017+A11:2020<br>EN 6100-4-2:2009 / IEC 61000-4-2: 2008 ED. 2.0<br>EN IEC 61000-4-3: 2020 / IEC 61000-4-3: 2020 ED. 4.0<br>EN 61000-4-8: 2010 / IEC 61000-4-8: 2009 ED/ 2.0 |
| Canada | ICES                      | IICES-003:2020 Issue 7, Class B<br>ICES-Gen:2018 Issue 1+A1:2021<br>ANSI C63.4-2014 amended as per ANSI C63.4a-2017                                                                                                      |
| USA    | FCC                       | 47 CFR FCC Part 15, Subpart B, Class B<br>ANSI C63.4:2014                                                                                                                                                                |
| Taiwan | BMSI                      | CNS 13438 – 乙類 (095/06/01 年版)                                                                                                                                                                                            |
| Japan  | VCCI                      | VCCI-CISPR 32:2016, Class B                                                                                                                                                                                              |

#### DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS

| Responsible Party      | Address                                                                                     | Website                                             |
|------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Framework Computer Inc | 447 Sutter St. PMB 135, San Francisco, CA, 94108-4618, United States<br>+1 (415) 475 - 3769 | <a href="https://frame.work">https://frame.work</a> |