

**ASUS ROG Zephyrus Duo GX651AX-SR005X Intel Core Ultra 9 386H Hybrid (2-in-1) 40.6 cm (16") Touchscreen WQXGA+ 64 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Pro Grey**

**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0NT2-M00080

**Product name :** GX651AX-SR005X

- Windows 11 Pro 64-bit
- Intel Core Ultra 9 386H (18MB Cache)
- 16" WQXGA+ 2880 x 1800 OLED Touch, NVIDIA GeForce RTX 5090 (24GB GDDR7)
- 64GB (8533MHz) LPDDR5x-SDRAM & 2000GB SSD

Intel Core Ultra 9 386H (18MB Cache), 64GB LPDDR5x-SDRAM, 2000GB SSD, 16" WQXGA+ 2880 x 1800 OLED Touch, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), WLAN, Webcam, Windows 11 Pro 64-bit

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#### DUO IT ALL

Flagship power

Harness the raw power of up to an NVIDIA® GeForce RTX™ 5090 Laptop GPU with a max TGP of 150W. This flagship GPU offers the latest gaming and AI features, including DLSS 4, 4th Gen ray-tracing cores, and up to 1824 TOPS of NPU compute for local AI applications, no cloud connection required. With a max TGP of 150W, you can pump up resolution, texture, and fidelity in all of the latest games.



| Design                             |                               | Graphics                       |                    |
|------------------------------------|-------------------------------|--------------------------------|--------------------|
| Colour name                        | Stellar Grey                  | On-board graphics card *       | ✓                  |
| Product type *                     | Hybrid (2-in-1)               | On-board GPU manufacturer      | Intel              |
| Product colour *                   | Grey                          | Discrete graphics card *       | ✓                  |
| Form factor *                      | Convertible (Detachable)      | On-board graphics card family  | Intel® Graphics    |
| Market positioning                 | Gaming                        | On-board graphics card model * | Intel® Graphics    |
| Introduction year                  | 2026                          | Total Graphics Power (TGP)     | 150 W              |
| Display                            |                               | NVIDIA G-SYNC                  | ✓                  |
| Display diagonal *                 | 40.6 cm (16")                 | Audio                          |                    |
| Display resolution *               | 2880 x 1800 pixels            | Audio system                   | Smart Amp          |
| Touchscreen *                      | ✓                             | Number of built-in speakers    | 6                  |
| HD type                            | WQXGA+                        | Built-in microphone            | ✓                  |
| Panel type                         | OLED                          | Camera                         |                    |
| Native aspect ratio                | 16:10                         | Front camera                   | ✓                  |
| Anti-glare screen                  | ✓                             | Front camera resolution        | 1920 x 1080 pixels |
| Maximum display brightness (HDR)   | 1100 cd/m²                    | Front camera HD type           | Full HD            |
| RGB colour space                   | DCI-P3                        | Infrared (IR) camera           | ✓                  |
| Colour gamut                       | 100%                          | Network                        |                    |
| Display response rise/fall         | 0.2 ms                        | Top Wi-Fi standard *           | Wi-Fi 7 (802.11be) |
| Maximum refresh rate               | 120 Hz                        | Wi-Fi standards                | Wi-Fi 7 (802.11be) |
| Contrast ratio (typical)           | 1000000:1                     | Mobile network connection *    | ✗                  |
| High Dynamic Range (HDR) supported | ✓                             | Antenna type                   | 2x2                |
| Processor                          |                               | Bluetooth                      | ✓                  |
| Processor manufacturer *           | Intel                         | Bluetooth version              | 6.0                |
| Processor family *                 | Intel Core Ultra 9            |                                |                    |
| Processor generation               | Intel® Core™ Ultra (Series 3) |                                |                    |
| Processor model *                  | 386H                          |                                |                    |

| Processor                                    |                         | Ports & interfaces                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|----------------------------------------------|-------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Processor cores                              | 16                      | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Processor threads                            | 16                      | HDMI ports quantity *                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Processor boost frequency                    | 4.9 GHz                 | HDMI version                                    | 2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Performance cores                            | 4                       | Thunderbolt 4 ports quantity                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Efficient cores                              | 8                       | Intel® Thunderbolt 4                            | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Low Power Efficient-cores                    | 4                       | Combo headphone/mic port                        | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Performance-core Max Turbo Frequency         | 4.9 GHz                 | USB Type-C DisplayPort Alternate Mode           | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Efficient-core Max Turbo Frequency           | 3.9 GHz                 | Keyboard                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Low Power Efficient-core Max Turbo Frequency | 3.5 GHz                 | Pointing device                                 | Touchpad                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Performance-core base frequency              | 2.1 GHz                 | Numeric keypad *                                | ✗                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Efficient-core base frequency                | 1.6 GHz                 | Keyboard backlit                                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Low Power Efficient-core Base Frequency      | 1600 MHz                | Keyboard backlit colour                         | RGB                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Processor cache                              | 18 MB                   | Keyboard backlit zone                           | 1-zone RGB                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Processor cache type                         | Smart Cache             | Copilot key                                     | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Processor base power                         | 25 W                    | Software                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Maximum turbo power                          | 80 W                    | Operating system architecture                   | 64-bit                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Neural processor unit (NPU)                  |                         | Microsoft Copilot                               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Neural processor unit (NPU)                  | Intel AI Boost          | Trial software                                  | 1-month trial for new Microsoft 365 customers                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Sparsity support                             | ✓                       | Operating system installed *                    | Windows 11 Pro                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Windows Studio effects support               | ✓                       | Bundled software                                | Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) |  |
| NPU performance up to                        | 50 TOPs                 |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Memory                                       |                         |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Internal memory *                            | 64 GB                   |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Internal memory type                         | LPDDR5x-SDRAM           |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Memory clock speed                           | 8533 MHz                |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Memory form factor                           | On-board                |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Maximum internal memory *                    | 64 GB                   |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Memory channels                              | Dual-channel            |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Storage                                      |                         | Battery                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Total storage capacity *                     | 2 TB                    | Battery technology                              | Lithium-Ion (Li-Ion)                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Storage media *                              | SSD                     | Number of battery cells                         | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Total SSDs capacity                          | 2 TB                    | Battery capacity *                              | 90 Wh                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Number of SSDs installed                     | 1                       | Power                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| SSD capacity                                 | 2 TB                    | AC adapter power                                | 250 W                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| SSD interface                                | PCI Express 5.0         | AC adapter frequency                            | 50 - 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| NVMe                                         | ✓                       | AC adapter input voltage                        | 100 - 240 V                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SSD form factor                              | M.2                     | AC adapter output current                       | 12.5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Optical drive type *                         | ✗                       | AC adapter output voltage                       | 20 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Card reader integrated                       | ✓                       | USB Type-C charging port *                      | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Compatible memory cards                      | MicroSD (TransFlash)    | USB Power Delivery (USB PD)                     | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Graphics                                     |                         | Security                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Discrete GPU manufacturer                    | NVIDIA                  | Face recognition                                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Discrete graphics card model *               | NVIDIA GeForce RTX 5090 | Windows Hello                                   | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Discrete graphics card memory                | 24 GB                   | Trusted Platform Module (TPM)                   | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Discrete graphics memory type                | GDDR7                   | Password protection                             | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|                                              |                         | Password protection type                        | BIOS, User                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                              |                         | Weight & dimensions                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                              |                         | Width                                           | 355 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                              |                         | Depth                                           | 247 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                              |                         | Height (front)                                  | 1.99 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                                              |                         | Height (rear)                                   | 2.49 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                                              |                         | Weight *                                        | 2.82 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

#### Packaging content

|                       |   |
|-----------------------|---|
| AC adapter included * | ✓ |
| Stylus pen            | ✓ |



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### Catalog Object Cloud



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