

## ASUS Vivobook 16 M1607KA-MB053W AMD Ryzen™ AI 7 350 Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Blue

**Brand :** ASUS

**Product family:** Vivobook

**Product code:** 90NB15F1-M00250

**Product name :** M1607KA-MB053W



AMD Ryzen AI 7 350 (16MB Cache, 2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, AMD Radeon 860M, WLAN, Webcam, Windows 11 Home 64-bit

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ASUS Vivobook 16

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AI Experience

### More intelligent

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| Design                    |                         | Camera                                            |                    |
|---------------------------|-------------------------|---------------------------------------------------|--------------------|
| Colour name               | Quiet Blue              | Infrared (IR) camera                              | ✓                  |
| Product type *            | Laptop                  | Privacy camera                                    | ✓                  |
| Product colour *          | Blue                    | Privacy type                                      | Privacy shutter    |
| Form factor *             | Clamshell               | Network                                           |                    |
| Housing material          | Plastic                 | Top Wi-Fi standard *                              | Wi-Fi 6 (802.11ax) |
| Market positioning        | Home                    | Wi-Fi standards                                   | Wi-Fi 6 (802.11ax) |
| Country of origin         | China                   | Mobile network connection *                       | ✗                  |
| Display                   |                         | Antenna type                                      | 2x2                |
| Display diagonal *        | 40.6 cm (16")           | Bluetooth                                         | ✓                  |
| Display resolution *      | 1920 x 1200 pixels      | Bluetooth version                                 | 5.3                |
| Touchscreen *             | ✗                       | Ports & interfaces                                |                    |
| HD type                   | WUXGA                   | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                  |
| LED backlight             | ✓                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 2                  |
| Native aspect ratio       | 16:10                   | HDMI ports quantity *                             | 1                  |
| Anti-glare screen         | ✓                       | HDMI version                                      | 2.1                |
| Display brightness        | 300 cd/m²               | Combo headphone/mic port                          | ✓                  |
| RGB colour space          | NTSC                    | USB Type-C DisplayPort Alternate Mode             | ✓                  |
| Colour gamut              | 45%                     | Performance                                       |                    |
| Maximum refresh rate      | 60 Hz                   | Repairability index                               | 9.2                |
| Processor                 |                         | Keyboard                                          |                    |
| Processor manufacturer *  | AMD                     | Pointing device                                   | Touchpad           |
| Processor family *        | AMD Ryzen™ AI 7         | Numeric keypad *                                  | ✓                  |
| Processor generation      | AMD Ryzen AI 300 Series | Software                                          |                    |
| Processor model *         | 350                     |                                                   |                    |
| Processor cores           | 8                       |                                                   |                    |
| Processor threads         | 16                      |                                                   |                    |
| Processor boost frequency | 5 GHz                   |                                                   |                    |
| Processor frequency *     | 2 GHz                   |                                                   |                    |

| Processor                         |                   | Software                                                   |                                                                                                 |
|-----------------------------------|-------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Processor cache                   | 16 MB             | Operating system architecture                              | 64-bit                                                                                          |
| Processor cache type              | L3                | Trial software                                             | 1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial |
| Neural processor unit (NPU)       |                   | Operating system installed *                               | Windows 11 Home                                                                                 |
| Neural processor unit (NPU)       | AMD Ryzen AI      | Battery                                                    |                                                                                                 |
| Total processor performance up to | 66 TOPs           | Battery technology                                         | Lithium-Ion (Li-Ion)                                                                            |
| NPU performance up to             | 50 TOPs           | Number of battery cells                                    | 3                                                                                               |
| Memory                            |                   | Battery capacity *                                         | 42 Wh                                                                                           |
| Internal memory *                 | 16 GB             | Power                                                      |                                                                                                 |
| Internal memory type              | DDR5-SDRAM        | AC adapter power                                           | 65 W                                                                                            |
| Memory form factor                | On-board          | AC adapter frequency                                       | 50 - 60 Hz                                                                                      |
| Memory layout (slots x size)      | 1 x 16 GB         | AC adapter input voltage                                   | 100 - 240 V                                                                                     |
| Maximum internal memory *         | 32 GB             | AC adapter output current                                  | 3.25 A                                                                                          |
| Storage                           |                   | AC adapter output voltage                                  | 20 V                                                                                            |
| Total storage capacity *          | 1 TB              | USB Type-C charging port *                                 | ✓                                                                                               |
| Storage media *                   | SSD               | USB Power Delivery (USB PD)                                | ✓                                                                                               |
| Total SSDs capacity               | 1 TB              | Security                                                   |                                                                                                 |
| Number of SSDs installed          | 1                 | Windows Hello                                              | ✓                                                                                               |
| SSD capacity                      | 1 TB              | Trusted Platform Module (TPM)                              | ✓                                                                                               |
| SSD interface                     | PCI Express 4.0   | Password protection                                        | ✓                                                                                               |
| NVMe                              | ✓                 | Password protection type                                   | BIOS, User                                                                                      |
| SSD form factor                   | M.2               | Certificates                                               |                                                                                                 |
| M.2 SSD size                      | 2280 (22 x 80 mm) | Compliance certificates                                    | REACH                                                                                           |
| Optical drive type *              | ✗                 | Weight & dimensions                                        |                                                                                                 |
| Graphics                          |                   | Width                                                      | 357 mm                                                                                          |
| Discrete graphics card model *    | Not available     | Depth                                                      | 250.6 mm                                                                                        |
| On-board graphics card *          | ✓                 | Height (front)                                             | 1.79 cm                                                                                         |
| On-board GPU manufacturer         | AMD               | Height (rear)                                              | 1.99 cm                                                                                         |
| Discrete graphics card *          | ✗                 | Weight *                                                   | 1.89 kg                                                                                         |
| On-board graphics card family     | AMD Radeon        | Packaging data                                             |                                                                                                 |
| On-board graphics card model *    | AMD Radeon 860M   | Package width                                              | 65 mm                                                                                           |
| Audio                             |                   | Package depth                                              | 488 mm                                                                                          |
| Audio system                      | SonicMaster       | Package height                                             | 310 mm                                                                                          |
| Built-in microphone               | ✓                 | Package weight                                             | 4.82 kg                                                                                         |
| Camera                            |                   | Packaging content                                          |                                                                                                 |
| Front camera                      | ✓                 | AC adapter included *                                      | ✓                                                                                               |
| Front camera HD type              | Full HD           | Logistics data                                             |                                                                                                 |
|                                   |                   | Commodity Classification Automated Tracking System (CCATS) | 8471300000                                                                                      |



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### Catalog Object Cloud



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