



## Acer Aspire 16 AI A16-52M-55DS Copilot+ PC Intel Core Ultra 5 226V Laptop 40.6 cm (16") WUXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Grey

**Brand :** Acer

**Product family:** Aspire

**Product code:** NX.JP1EG.00U

**Product name :** A16-52M-55DS

- Windows 11 Home 64-bit

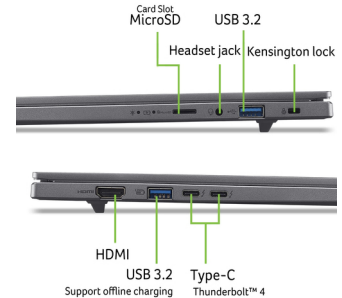
- Intel Core Ultra 5 226V (8MB Cache)

- 16" WUXGA 1920 x 1200 IPS

- 16GB (8533MHz) LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 5 226V (8MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 16" WUXGA 1920 x 1200 IPS, Intel Arc Graphics 130V, LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Aspire 16 AI A16-52M-55DS. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 130V. Operating system installed: Windows 11 Home. Product colour: Grey. Weight: 1.48 kg



| Design                                       |                             | Storage                        |                         |
|----------------------------------------------|-----------------------------|--------------------------------|-------------------------|
| Colour name                                  | Steel Grey                  | Compatible memory cards        | MicroSD (TransFlash)    |
| Product type *                               | Laptop                      | <b>Graphics</b>                |                         |
| Product colour *                             | Grey                        | Discrete graphics card model * | Not available           |
| Form factor *                                | Clamshell                   | On-board graphics card *       | ✓                       |
| <b>Display</b>                               |                             | On-board GPU manufacturer      | Intel                   |
| Display diagonal *                           | 40.6 cm (16")               | Discrete graphics card *       | ✗                       |
| Display resolution *                         | 1920 x 1200 pixels          | On-board graphics card family  | Intel Arc Graphics      |
| Touchscreen *                                | ✗                           | On-board graphics card model * | Intel Arc Graphics 130V |
| HD type                                      | WUXGA                       | <b>Audio</b>                   |                         |
| Panel type                                   | IPS                         | Number of built-in speakers    | 2                       |
| Native aspect ratio                          | 16:10                       | Built-in microphone            | ✓                       |
| Display brightness                           | 300 cd/m²                   | Number of microphones          | 2                       |
| RGB colour space                             | DCI-P3                      | <b>Camera</b>                  |                         |
| Colour gamut                                 | 95%                         | Front camera                   | ✓                       |
| Maximum refresh rate                         | 60 Hz                       | Front camera resolution        | 1920 x 1080 pixels      |
| <b>Processor</b>                             |                             | Front camera HD type           | Full HD                 |
| Processor manufacturer *                     | Intel                       | Infrared (IR) camera           | ✓                       |
| Processor family *                           | Intel Core Ultra 5          | Privacy camera                 | ✓                       |
| Processor generation                         | Intel Core Ultra (Series 2) | Privacy type                   | Privacy shutter         |
| Processor model *                            | 226V                        | <b>Network</b>                 |                         |
| Processor cores                              | 8                           | Top Wi-Fi standard *           | Wi-Fi 7 (802.11be)      |
| Processor threads                            | 8                           | Wi-Fi standards                | Wi-Fi 7 (802.11be)      |
| Processor boost frequency                    | 4.5 GHz                     | Mobile network connection *    | ✗                       |
| Performance cores                            | 4                           | Antenna type                   | 2x2                     |
| Low Power Efficient-cores                    | 4                           | Ethernet LAN                   | ✓                       |
| Performance-core Max Turbo Frequency         | 4.5 GHz                     | Ethernet LAN data rates        | 10,100,1000 Mbit/s      |
| Low Power Efficient-core Max Turbo Frequency | 3.5 GHz                     | Bluetooth                      | ✓                       |
| Performance-core base frequency              | 2.1 GHz                     | Bluetooth version              | 5.4                     |

| Processor                               |                                                | Ports & interfaces                                |                      |
|-----------------------------------------|------------------------------------------------|---------------------------------------------------|----------------------|
| Low Power Efficient-core Base Frequency | 2100 MHz                                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                    |
| Processor cache                         | 8 MB                                           | USB4 Gen 3x2 ports quantity                       | 2                    |
| Processor cache type                    | Smart Cache                                    | HDMI ports quantity *                             | 1                    |
| Processor base power                    | 17 W                                           | Intel® Thunderbolt 4                              | ✓                    |
| Maximum turbo power                     | 37 W                                           | Combo headphone/mic port                          | ✓                    |
| Neural processor unit (NPU)             |                                                | Keyboard                                          |                      |
| Copilot+ PC                             | ✓                                              | Pointing device                                   | Touchpad             |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Numeric keypad *                                  | ✓                    |
| Sparsity support                        | ✓                                              | Keyboard backlit                                  | ✓                    |
| Windows Studio effects support          | ✓                                              | Keyboard backlit colour                           | White                |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Software                                          |                      |
| Total processor performance up to       | 97 TOPs                                        | Operating system architecture                     | 64-bit               |
| NPU performance up to                   | 40 TOPs                                        | Operating system installed *                      | Windows 11 Home      |
| GPU performance up to                   | 53 TOPs                                        | Battery                                           |                      |
| Memory                                  |                                                | Battery technology                                | Lithium-Ion (Li-Ion) |
| Internal memory *                       | 16 GB                                          | Battery capacity *                                | 65 Wh                |
| Internal memory type                    | LPDDR5x-SDRAM                                  | Battery life (max)                                | 26 h                 |
| Memory clock speed                      | 8533 MHz                                       | Power                                             |                      |
| Memory form factor                      | On-board                                       | USB Type-C charging port *                        | ✓                    |
| Maximum internal memory *               | 16 GB                                          | USB Type-C required charging power (min) *        | 65 W                 |
| Storage                                 |                                                | USB Type-C required charging power (max) *        | 65 W                 |
| Total storage capacity *                | 512 GB                                         | USB Power Delivery (USB PD)                       | ✓                    |
| Storage media *                         | SSD                                            | Security                                          |                      |
| Total SSDs capacity                     | 512 GB                                         | Cable lock slot                                   | ✓                    |
| Number of SSDs installed                | 1                                              | Cable lock slot type                              | Kensington           |
| SSD capacity                            | 512 GB                                         | Weight & dimensions                               |                      |
| SSD interface                           | PCI Express 4.0                                | Width                                             | 354.9 mm             |
| NVMe                                    | ✓                                              | Depth                                             | 250.1 mm             |
| SSD form factor                         | M.2                                            | Height                                            | 15.9 mm              |
| Optical drive type *                    | ✗                                              | Weight *                                          | 1.48 kg              |
| Card reader integrated                  | ✓                                              | Packaging content                                 |                      |
|                                         |                                                | AC adapter included *                             | ✓                    |



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### Catalog Object Cloud



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