

## ASUS ExpertBook B3 B3405CCA-LY0105X Intel Core Ultra 5 125H Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey



**Brand :** ASUS

**Product family:** ExpertBook

**Product code:** 90NX08L1-M003H0

**Product name :** B3405CCA-LY0105X

- Windows 11 Pro 64-bit
- Intel Core Ultra 5 125H (18MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200
- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core Ultra 5 125H (18MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 35.6 cm (14") WUXGA 1920 x 1200, Intel Arc Graphics, LAN, WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B3 B3405CCA-LY0105X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey

| Design                                       |                               | Graphics                                          |                     |
|----------------------------------------------|-------------------------------|---------------------------------------------------|---------------------|
| Colour name                                  | Gentle Grey                   | On-board graphics card family                     | Intel Arc Graphics  |
| Product type *                               | Laptop                        | On-board graphics card model *                    | Intel Arc Graphics  |
| Product colour *                             | Grey                          | <b>Audio</b>                                      |                     |
| Form factor *                                | Clamshell                     | Audio system                                      | Dirac               |
| Housing material                             | Aluminium, Plastic            | Built-in microphone                               | ✓                   |
| Market positioning                           | Work                          | <b>Camera</b>                                     |                     |
| Introduction year                            | 2025                          | Front camera                                      | ✓                   |
| <b>Display</b>                               |                               | Front camera resolution                           | 1920 x 1080 pixels  |
| Display diagonal *                           | 35.6 cm (14")                 | Front camera HD type                              | Full HD             |
| Display resolution *                         | 1920 x 1200 pixels            | Infrared (IR) camera                              | ✓                   |
| Touchscreen *                                | ✗                             | Privacy camera                                    | ✓                   |
| HD type                                      | WUXGA                         | Privacy type                                      | Privacy shutter     |
| LED backlight                                | ✓                             | <b>Network</b>                                    |                     |
| Native aspect ratio                          | 16:10                         | Top Wi-Fi standard *                              | Wi-Fi 6E (802.11ax) |
| Anti-glare screen                            | ✓                             | Wi-Fi standards                                   | Wi-Fi 6E (802.11ax) |
| Display brightness                           | 300 cd/m²                     | Mobile network connection *                       | ✗                   |
| RGB colour space                             | NTSC                          | Antenna type                                      | 2x2                 |
| Colour gamut                                 | 45%                           | Ethernet LAN                                      | ✓                   |
| <b>Processor</b>                             |                               | Ethernet LAN data rates                           | 10,100,1000 Mbit/s  |
| Processor manufacturer *                     | Intel                         | Bluetooth                                         | ✓                   |
| Processor family *                           | Intel Core Ultra 5            | Bluetooth version                                 | 5.4                 |
| Processor generation                         | Intel® Core™ Ultra (Series 1) | <b>Ports &amp; interfaces</b>                     |                     |
| Processor model *                            | 125H                          | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                   |
| Processor cores                              | 14                            | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   | 2                   |
| Processor threads                            | 18                            | Ethernet LAN (RJ-45) ports                        | 1                   |
| Processor boost frequency                    | 4.5 GHz                       | HDMI ports quantity *                             | 1                   |
| Performance cores                            | 4                             | HDMI version                                      | 2.1                 |
| Efficient cores                              | 8                             | Combo headphone/mic port                          | ✓                   |
| Low Power Efficient-cores                    | 2                             | USB Type-C DisplayPort Alternate Mode             | ✓                   |
| Performance-core Max Turbo Frequency         | 4.5 GHz                       |                                                   |                     |
| Efficient-core Max Turbo Frequency           | 3.6 GHz                       |                                                   |                     |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                       |                                                   |                     |

| Processor                               |                                                | Keyboard                              |                                                                              |
|-----------------------------------------|------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------|
| Performance-core base frequency         | 1.2 GHz                                        | Pointing device                       | Touchpad                                                                     |
| Efficient-core base frequency           | 0.7 GHz                                        | Numeric keypad *                      | ✗                                                                            |
| Low Power Efficient-core Base Frequency | 700 MHz                                        | Keyboard backlit                      | ✓                                                                            |
| Processor cache                         | 18 MB                                          | Spill-resistant keyboard              | ✓                                                                            |
| Processor cache type                    | Smart Cache                                    | Software                              |                                                                              |
| Processor base power                    | 28 W                                           | Operating system architecture         | 64-bit                                                                       |
| Maximum turbo power                     | 115 W                                          | Operating system installed *          | Windows 11 Pro                                                               |
| Neural processor unit (NPU)             |                                                | Battery                               |                                                                              |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Battery technology                    | Lithium-Ion (Li-Ion)                                                         |
| Sparsity support                        | ✓                                              | Number of battery cells               | 3                                                                            |
| Windows Studio effects support          | ✓                                              | Battery capacity *                    | 50 Wh                                                                        |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Power                                 |                                                                              |
| Memory                                  |                                                | AC adapter power                      | 65 W                                                                         |
| Internal memory *                       | 16 GB                                          | AC adapter frequency                  | 50 - 60 Hz                                                                   |
| Internal memory type                    | DDR5-SDRAM                                     | AC adapter input voltage              | 100 - 240 V                                                                  |
| Memory form factor                      | SO-DIMM                                        | AC adapter output current             | 3.25 A                                                                       |
| Memory layout (slots x size)            | 1 x 16 GB                                      | AC adapter output voltage             | 20 V                                                                         |
| Memory slots                            | 2x SO-DIMM                                     | USB Type-C charging port *            | ✓                                                                            |
| Maximum internal memory *               | 64 GB                                          | USB Power Delivery (USB PD)           | ✓                                                                            |
| Storage                                 |                                                | Security                              |                                                                              |
| Total storage capacity *                | 512 GB                                         | Cable lock slot                       | ✓                                                                            |
| Storage media *                         | SSD                                            | Cable lock slot type                  | Kensington                                                                   |
| Total SSDs capacity                     | 512 GB                                         | Fingerprint reader                    | ✓                                                                            |
| Number of SSDs installed                | 1                                              | Smart card reader                     | ✓                                                                            |
| SSD capacity                            | 512 GB                                         | Face recognition                      | ✓                                                                            |
| SSD interface                           | PCI Express 4.0                                | Windows Hello                         | ✓                                                                            |
| NVMe                                    | ✓                                              | Trusted Platform Module (TPM)         | ✓                                                                            |
| SSD form factor                         | M.2                                            | Trusted Platform Module (TPM) version | 2.0                                                                          |
| M.2 SSD size                            | 2280 (22 x 80 mm)                              | Password protection                   | ✓                                                                            |
| Optical drive type *                    | ✗                                              | Password protection type              | BIOS, HDD, User                                                              |
| Card reader integrated                  | ✓                                              | Certificates                          |                                                                              |
| Compatible memory cards                 | MicroSD (TransFlash)                           | Compliance certificates               | REACH                                                                        |
| Graphics                                |                                                | Sustainability                        |                                                                              |
| Discrete graphics card model *          | Not available                                  | Sustainability certificates           | ENERGY STAR, EPEAT Climate +, Forest Stewardship Council (FSC) Recycled, TCO |
| On-board graphics card *                | ✓                                              | Weight & dimensions                   |                                                                              |
| On-board GPU manufacturer               | Intel                                          | Width                                 | 315.1 mm                                                                     |
| Discrete graphics card *                | ✗                                              | Depth                                 | 226.8 mm                                                                     |
|                                         |                                                | Height (front)                        | 1.89 cm                                                                      |
|                                         |                                                | Height (rear)                         | 1.9 cm                                                                       |
|                                         |                                                | Packaging content                     |                                                                              |
|                                         |                                                | AC adapter included *                 | ✓                                                                            |

## Catalog Object Cloud



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