# ASUS ExpertBook B5 OLED B5602CBA-Q53P-CB laptop Intel® Core™ i5 i5-1240P 40.6 cm (16") WQUXGA 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Black

**Brand :** ASUS

**Product family:** ExpertBook

**Product code:** B5602CBA-Q53P-CB

**Product name :** B5602CBA-Q53P-CB

- Windows 11 Pro 64-bit
- Intel Core i5-1240P (12MB Cache)
- 40.6 cm (16") WQUXGA 3840 x 2400 OLED
- 16GB DDR5-SDRAM & 512GB SSD

Intel Core i5-1240P (12MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WQUXGA 3840 x 2400 OLED, Intel Iris Xe Graphics, LAN, Webcam, Windows 11 Pro 64-bit

ASUS ExpertBook B5 OLED B5602CBA-Q53P-CB. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1240P. Display diagonal: 40.6 cm (16"), HD type: WQUXGA, Display resolution: 3840 x 2400 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Black

| Design | |
|---|---|
| Colour name | Star Black |
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |
| Market positioning | Work |

| Display | |
|---|---|
| Display diagonal * | 40.6 cm (16") |
| Display resolution * | 3840 x 2400 pixels |
| Touchscreen * | ✗ |
| HD type | WQUXGA |
| Panel type | OLED |
| Native aspect ratio | 16:10 |
| Display surface | Gloss |
| Display brightness | 400 cd/m² |
| RGB colour space | DCI-P3 |
| Colour gamut | 100% |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i5 |
| Processor generation | 12th gen Intel® Core™ i5 |
| Processor model * | i5-1240P |
| Processor cores | 12 |
| Processor boost frequency | 4.4 GHz |
| Processor cache | 12 MB |
| Configurable TDP-down | 20 W |

| Memory | |
|---|---|
| Internal memory * | 16 GB |
| Internal memory type | DDR5-SDRAM |

| Network | |
|---|---|
| Bluetooth | ✓ |
| Bluetooth version | 5.3 |

| Ports & interfaces | |
|---|---|
| USB 2.0 ports quantity * | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.0b |
| Thunderbolt 4 ports quantity | 2 |
| Intel® Thunderbolt 4 | ✓ |
| Combo headphone/mic port | ✓ |
| USB Type-C DisplayPort Alternate Mode | ✓ |
| USB Power Delivery | ✓ |

| Keyboard | |
|---|---|
| Pointing device | Touchpad |
| Numeric keypad * | ✓ |
| Keyboard backlit | ✓ |

| Software | |
|---|---|
| Operating system architecture | 64-bit |
| Operating system installed * | Windows 11 Pro |

| Processor special features | |
|---|---|
| Intel Flex Memory Access | ✓ |
| Intel Trusted Execution Technology | ✓ |
| Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Execute Disable Bit | ✓ |

| Memory | |
|---|---|
| Memory form factor | On-board + SO-DIMM |
| Memory slots | 1x SO-DIMM |
| Maximum internal memory * | 40 GB |

| Storage | |
|---|---|
| Total storage capacity * | 512 GB |
| Storage media * | SSD |
| Total SSDs capacity | 512 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 512 GB |
| SSD interface | PCI Express 4.0 |
| NVMe | ✓ |
| SSD form factor | M.2 |
| Optical drive type * | ✗ |
| Card reader integrated | ✓ |
| Compatible memory cards | MicroSD (TransFlash) |

| Graphics | |
|---|---|
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✓ |
| Discrete graphics card * | ✗ |
| On-board graphics card model * | Intel Iris Xe Graphics |

| Audio | |
|---|---|
| Audio system | Dolby Atmos |
| Built-in microphone | ✓ |

| Camera | |
|---|---|
| Front camera | ✓ |
| Front camera HD type | HD |
| Infrared (IR) camera | ✓ |

| Network | |
|---|---|
| Mobile network connection * | ✗ |
| Antenna type | 2x2 |
| Ethernet LAN | ✓ |

| Processor special features | |
|---|---|
| CPU configuration (max) | 1 |
| Embedded options available | ✗ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Intel Virtualization Technology (VT-x) | ✓ |

| Battery | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Number of battery cells | 4 |
| Battery capacity * | 84 Wh |

| Power | |
|---|---|
| AC adapter power | 90 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |
| AC adapter output current | 4.5 A |
| AC adapter output voltage | 20 V |

| Security | |
|---|---|
| Cable lock slot | ✓ |
| Cable lock slot type | Kensington |
| Fingerprint reader | ✓ |
| Windows Hello | ✓ |
| Trusted Platform Module (TPM) | ✓ |
| Trusted Platform Module (TPM) version | 2.0 |

| Weight & dimensions | |
|---|---|
| Width | 358.2 mm |
| Depth | 261.2 mm |
| Height | 19.9 mm |

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