

# ExpertBook B5 | B5405CCA

## Smart, secure AI power for business

Expertly designed for professionals, the ASUS ExpertBook B5 empowers smarter work with Intel® Core™ Ultra processors, integrated NPU for AI-driven workloads. Equipped with dual SO-DIMM slots for up to 64 GB RAM, a 16:10 display with slim bezels, and AI-powered tools like noise cancellation and live translations, the B5 delivers unmatched productivity. Enterprise-grade security features, biometric login, and the world's leading digital product passport make it a sustainable and secure choice for modern business needs.



### AI productivity, unlocked performance

- Up to Intel® Core™ Ultra 7 processor (Series 2) with AI architecture\*
- AI ExpertMeet and AI audio/video tools
- Starting weight 1.36kg (14") and 1.75kg (16")
- Up to 64GB DD5 (Dual SO-DIMM)
- Up to 2TB PCIe® 4.0 SSD2
- Up to WQXGA high refresh rate (144Hz), 16:10 display
- Full I/O ports including 2 x Thunderbolt™ 4 USB-C
- Up to 15 hours all-day battery life<sup>1</sup>

### Commercial-grade security and manageability

- Microsoft secured-core technologies
- Biometric login with fingerprint sensor, Full HD IR camera\*
- Smart card reader\*
- ASUS management solutions (ASUS Control Center\*, Image Maker\*)

### Business-level durability and service

- MIL-STD-810H 24 procedures tested
- Up to 5-year international warranty available\*
- ASUS business support services

### Sustainable for an incredible future

- World's leading digital product passport
- Compliant with EPEAT Gold Climate+, Energy Star 8.0, TCO 10, FSC Recycled



Intel® Core™  
Ultra processor  
(Series 2)



Ultralight



16:10  
aspect ratio



Dual  
SO-DIMM



All-day  
battery life



Sustainable  
design

\*OPTIONAL FEATURE, MAY VARY BY MODEL, SPECIFICATION, OR REGION.

<sup>1</sup>ACTUAL BATTERY PERFORMANCE MAY VARY DEPENDING ON PRODUCT CONFIGURATION, USAGE, OPERATIONAL CONDITIONS AND POWER MANAGEMENT SETTINGS. BATTERY LIFE WILL DECREASE OVER THE LIFETIME OF THE BATTERY.

<sup>2</sup>CERTIFICATIONS ARE STILL UNDER PROGRESS AT TIME OF PUBLISHING THIS DOCUMENT. PLEASE CHECK WITH YOUR ASUS REPRESENTATIVE PRIOR TO SHARING ANY INFORMATION PUBLICLY.

## Warranty and Support



Up to 5-year international warranty available\*  
Warranty policies vary by country.



Pick up & return service\*  
Enjoy door-to-door service including pick up, repair, and return.



MyASUS  
Contact customer service, view repair status, read product guides and more.

# SPECIFICATIONS

Model	B5405CCA / 90NX0811-M000M0
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Aluminum
LCD cover-color	Gentle Grey
Top case-material	Aluminum
Top case-color	Gentle Grey
Bottom case-material	Aluminum
Bottom case-color	Gentle Grey
Military grade	US MIL-STD 810H military-grade standard
Panel Size	14.0-inch
Backlit	LED Backlit
Brightness	300nits
Resolution	WUXGA (1920 x 1200) 16:10
Glare	Anti-glare display
Color gamut	NTSC: 45%
View angle(H/V)	170/170
Response time(Typ/Max) (ms)	25/30
Refresh rate	60Hz
Contrast (Typ)	1000:1
Touch Panel	Non-touch screen
Screen-to-body ratio	84 %
IPS-level	Wide view
Processor	Intel® Core™ Ultra 7 Processor 255H 2.0 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 13 TOPS
Neural processor	Intel® AI Boost NPU
Chipset	N/A
Discrete/Share	Share

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<b>Integrated GPU</b>	Intel® Arc™ Graphics(available for Intel® Core™ Ultra H 5/7/9 with dual channel memory)
<b>VRAM</b>	N/A
<b>Expansion Slot(includes used)</b>	2x DDR5 SO-DIMM slots
<b>DIMM Memory</b>	16GB DDR5 SO-DIMM
<b>Total System Memory</b>	DDR5 16GB
<b>Storage</b>	512GB M.2 2280 NVMe™ PCIe® 4.0 SSD SSD Housing for storage expansion
<b>Front-facing camera</b>	1080p FHD camera with IR function to support Windows Hello With privacy shutter
<b>Wireless</b>	Wi-Fi 7(802.11be) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card
<b>NumberPad</b>	N/A
<b>FingerPrint</b>	FingerPrint
<b>Keyboard type</b>	Backlit Chiclet Keyboard
<b>Keyboard language</b>	English International
<b>I/O ports</b>	2x USB 3.2 Gen 1 Type-A 2x Thunderbolt™ 4, compliant with USB4, support display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet Micro SD card reader Smart card reader
<b>Audio</b>	Audio by Dirac
<b>Battery</b>	63WHrs, 3S1P, 3-cell Li-ion
<b>AC Adapter</b>	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal (Adapter+power cord)
<b>Required charging power</b>	Min: 55W Max: 65W *The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
<b>Dimension (WxHxD)</b>	31.51 x 22.68 x 1.75 ~ 1.79 cm (12.41" x 8.93" x 0.69" ~ 0.70")
<b>Starting Weight (with Battery)</b>	1.45 kg (3.20 lbs)
<b>Starting Weight (w/o Battery)</b>	1.22 kg (2.69 lbs)

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<b>Security</b>	<ul style="list-style-type: none"> <li>Fingerprint sensor integrated with Power Key</li> <li>Kensington Nano Security Slot™(6x 2.5mm)</li> <li>BIOS Booting User Password Protection</li> <li>BIOS Integrity Measurement Support</li> <li>BIOS Self Recovery</li> <li>BIOS setup user password</li> <li>CSME BIOS Redundancy Assistance</li> <li>Enhanced Password Strength</li> <li>HDD User Password Protection and Security</li> <li>Intel CSME Firmware Resilience</li> <li>Intel® BIOS Guard</li> <li>Intel® Boot Guard</li> <li>Microsoft Secured-core PC</li> <li>Microsoft Security Level 2</li> <li>Microsoft Security Level 3</li> <li>Support Absolute Persistence 2.0 (Computrace)</li> <li>Trusted Platform Module (TPM) 2.0</li> <li>ASUS ExpertGurdian with NIST SP 800 155 compliance</li> <li>ASUS ExpertGurdian with NIST SP 800 193 compliance</li> <li>N/A</li> </ul>
<b>Antivirus</b>	N/A
<b>MyASUS feature</b>	<ul style="list-style-type: none"> <li>System diagnosis</li> <li>Battery health charging</li> <li>Fan Profile</li> <li>Splendid</li> <li>Tru2Life</li> <li>Function key lock</li> <li>WiFi SmartConnect</li> <li>AppDeals</li> <li>Link to MyASUS</li> </ul>
<b>MyExpert Features</b>	<ul style="list-style-type: none"> <li>Chat</li> <li>Knowledge Hub</li> <li>Advanced Tool</li> <li>ExpertMeet(All)</li> <li>File Search</li> <li>SafeGuard Backup(Dual SSD, additional purchase before shipment)</li> </ul>
<b>Built-in Apps</b>	<ul style="list-style-type: none"> <li>AI ExpertMeet (AI features need devices with 12GB RAM or more)</li> <li>MyASUS</li> </ul>
<b>Disclaimer for Built-in Apps</b>	<p>Built-in Apps vary from OS SKU.</p> <p>*MyASUS/McAfee don't support in Clean Build/without OS/G sku/Win SE/Windows on ARM/Linux OS (ex. Endless, Kylin, Ubuntu)</p>
<b>Reparability Index (for Belgium)</b>	9.5
<b>Reparability Index (for France)</b>	9.9
<b>Ecolabels &amp; Compliances</b>	<ul style="list-style-type: none"> <li>EPEAT Gold with Climate+</li> <li>Energy star 8.0</li> <li>FSC Recycled</li> <li>REACH</li> <li>RoHS</li> <li>TCO Certified</li> </ul>

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<b>Base Warranty</b>	2Y Pick up/ return
<b>Recommended Warranty Package Part number//Extension and/or upgrade service from base warranty</b>	ACX10-004011NX//1Y International Extention ACX13-00699BNX//1Y Extension; 3Y OnSite Service(Next Business Day)*upgrade *If you would like to know the details, please contact your sales teams.
<b>Battery warranty</b>	Commercial NB B series Battery warranty follow system warranty, 4Y-5Y by WEP option.
<b>Sustainable Material_Top cover(A part)</b>	30% PCR recycled plastic(cover or inner frame) 30% PIR recycled aluminum
<b>Sustainable Material_Keyboard frame (C part)</b>	30% PCR recycled plastic(cover or inner frame) 30% PIR recycled aluminum
<b>Sustainable Material_Bottom cover (D part)</b>	30% PCR recycled plastic(cover or inner frame) 30% PIR recycled aluminum
<b>Sustainable Material_Battery</b>	30% PCR recycled plastic
<b>Sustainable Material_Keyboard</b>	50% PCR recycled plastic cap 50% PIR recycled aluminum bracket
<b>Sustainable Material_Speaker</b>	45% PCR + 5% OBP PCR recycled plastic enclosure

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