

# 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-M00A90
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>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
<b>Audio</b>	Audio by Dirac
<b>Battery</b>	50WHrs, 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>Weight (with Battery)</b>	1.41 kg (3.11 lbs)
<b>Weight (w/o Battery)</b>	1.22 kg (2.69 lbs)

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<b>Security</b>	<p>Fingerprint sensor integrated with Power Key            Kensington Nano Security Slot™(6x 2.5mm)            BIOS Booting User Password Protection            BIOS Integrity Measurement Support            BIOS Self Recovery            BIOS setup user password            CSME BIOS Redundancy Assistance            Enhanced Password Strength            HDD User Password Protection and Security            Intel CSME Firmware Resilience            Intel® BIOS Guard            Intel® Boot Guard            Microsoft Security Level 2            Support Absolute Persistence 2.0 (Computrace)            Trusted Platform Module (TPM) 2.0            N/A</p>
<b>Antivirus</b>	McAfee® 30 days free trial
<b>MyASUS feature</b>	<p>System diagnosis            Battery health charging            Fan Profile            Splendid            Tru2Life            Function key lock            WiFi SmartConnect            AppDeals            Link to MyASUS</p>
<b>Built-in Apps</b>	AI ExpertMeet (AI features need devices with 12GB RAM or more) MyASUS
<b>Disclaimer for Built-in Apps</b>	<p>Built-in Apps vary from OS SKU.            *MyASUS/McAfee don't support in Pure OS/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>	<p>EPEAT Gold with Climate+            Energy star 8.0            FSC Recycled            REACH            RoHS            TCO Certified</p>
<b>Base Warranty</b>	1Y Pick up/ return
<b>Recommended Warranty Package Part number//Extension and/or upgrade service from base warranty</b>	<p>//1Y Extension; 2Y OnSite Service; 2Y Accidental Damage Protection**upgrade            //2Y Extension; 3Y OnSite Service; 3Y Accidental Damage Protection**upgrade            //1Y OnSite Service; 1Y Accidental Damage Protection**upgrade            ACX13-00753FNX//2Y Extension; 3Y OnSite Service*upgrade            *If you would like to know the details, please contact your sales teams.</p>

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<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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