ExpertBook B3 | B3604CVF

Your reliable, flexible partner

ExpertBook B3 is your versatile partner for everyday office tasks, packing the latest Intel® Core™ processors, discrete graphics, and a 16:10 display compatible with MPP 2.0 stylus for enabling productivity. Designed for flexible upgrading, it also offers configuration solutions including IR camera, fingerprint sensor, and smart card reader for multifactor authentication, and dual SO-DIMM for easy IT upgrades and boosted workload handling.

Intel® Core™
processor

NVIDIA® GeForce®
graphics

16:10
aspect ratio

Dual
SO-DIMM

IR camera[1]

Smart card
reader[1]

Productivity-first design for diverse work scenarios
- Up to Intel® Core™ i7 processor
- NVIDIA® GeForce® RTX 2050 discrete graphics
- Dual SO-DIMM up to 32GB DDR5
- Up to 1TB PCIe® 4.0 SSD
- 16:10 touchscreen[1] display with NanoEdge bezels
- Comprehensive I/O ports including Thunderbolt™ 4 USB-C, HDMI
- Up to 9.5 hours all-day battery life[2]

Configuration solutions for flexible upgrading
- Multifactor authentication with fingerprint sensor (on power button)[1], FHD IR camera[1], and smart card reader[1]
- ASUS management solutions[1] (ASUS Control Center, ASUS Business Manager, Image Maker)
- Anti-glare panel up to WQXGA[1] resolution

Reliable for businesses and the environment
- Webcam shield, Kensington Nano Security Slot™, TPM 2.0[1]
- Tested to US military-grade MIL-STD-810H standards
- Crafted with PCR and PIR materials
- Compliant with EPEAT Gold (TBD), Energy Star 8.0, TCO 9.0, FSC Recycle[3]
- Backed by ASUS Carbon Offset services[3]

[1]OPTIONAL FEATURE, MAY VARY BY MODEL, SPECIFICATION, OR REGION.
[2]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.
[3]ECO-LABEL 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[1]
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.

Model	B3604CVF / 90NX0741-M002X0
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Aluminum
LCD cover-color	Star Black
Top case-material	Plastic
Top case-color	Star Black
Bottom case-material	Plastic
Bottom case-color	Black
Military grade	US MIL-STD 810H military-grade standard
Panel Size	16.0-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)	178/178
Response time(Typ/Max) (ms)	11/9
Refresh rate	60Hz
Contrast (Typ)	1000:1
Touch Panel	Non-touch screen
Screen-to-body ratio	85 %
IPS-level	Wide view
Processor	Intel® Core™ i7-1355U Processor 1.7 GHz (12MB Cache, up to 5.0 GHz, 10 cores, 12 Threads)
Chipset	N/A
Discrete/Share	Discrete
Integrated GPU	Intel® UHD Graphics

Graphics	NVIDIA® GeForce® RTX 2050
VRAM	4GB GDDR6
How to upgrade memory	Upgradable; Need to remove bottom/top case
Expansion Slot(includes used)	2x DDR5 SO-DIMM slots 1x M.2 2280 PCIe 4.0x4
DIMM Memory	16GB DDR5 SO-DIMM *2
Total System Memory	DDR5 32GB
Storage	1TB M.2 2280 NVMe™ PCIe® 4.0 SSD
Front-facing camera	1080p FHD camera with IR function to support Windows Hello With privacy shutter
Wireless	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card
NumberPad	N/A
FingerPrint	FingerPrint
Keyboard type	Backlit Chiclet Keyboard
I/O ports	1x USB 3.2 Gen 2 Type-C support power delivery 2x USB 3.2 Gen 2 Type-A 1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet Smart card reader
Audio	Audio by Dirac Built-in speaker Built-in array microphone
Battery	63WHrs, 3S1P, 3-cell Li-ion
AC Adapter	TYPE-C, 90W AC Adapter, Output: 20V DC, 4.5A, 90W, Input: 100~240V AC 50/60Hz universal
Required charging power	Min: 80W Max: 90W *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.
Dimension (WxHxD)	35.80 x 25.43 x 2.43 ~ 2.43 cm (14.09" x 10.01" x 0.96" ~ 0.96")
Weight (with Battery)	2.01 kg (4.43 lbs)
Weight (w/o Battery)	1.79 kg (3.95 lbs)

ASUS ExpertBook

Security	Kensington Nano Security Slot™(6x 2.5mm) BIOS Booting User Password Protection BIOS setup user password HDD User Password Protection and Security Support Absolute Persistence 2.0 (Computrace) Trusted Platform Module (TPM) 2.0 N/A
Antivirus	N/A
MyASUS feature	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect AppDeals Link to MyASUS
Built-in Apps	MyASUS
Disclaimer for Built-in Apps	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)
Reparability Index (for France)	9.5
Ecolabels & Compliances	EPEAT Gold Energy star 8.0 FSC Mix REACH RoHS TCO Certified
Base Warranty	1Y Pick up/ return; ZENCARE + 1Y Pick up/ return
Recommended Warranty Package Part number//Extension and/or upgrade service from base warranty	ACX10-004011NX//1Y International Extention ACX13-009600NX//1Y Extension; 3Y OnSite Service(Next Business Day)*upgrade ACX15-015110NX//1Y Extension; 3Y OnSite Service(Next Business Day); 3Y Accidental Damage Protection* *upgrade *If you would like to know the details, please contact your sales teams.
Battery warranty	Commercial NB B series Battery warranty follow system warranty, 4Y-5Y by WEP option.
Sustainable Material_Top cover(A part)	50% PIR recycled aluminum
Sustainable Material_Keyboard frame (C part)	30% PCR recycled plastic(cover or inner frame)
Sustainable Material_Bottom cover (D part)	35% PCR recycled plastic(cover or inner frame)
Sustainable Material_Keyboard	50% PCR recycled plastic cap

Sustainable Material_Speaker	45% PCR + 5% OBP PCR recycled plastic enclosure
Sustainable Material_Total PCR recycled plastic	30.8%