

ASUS Product Information

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Overview

* Configuration and related spec might be different in each region and country. Please contact local sales representatives for any related questions.

Features

PRODUCT NAME

B5604CMA

CERTIFICATION NAME

B5604CM, B5604CMA, B5604CM_L

OPERATING SYSTEM

Non-preinstalled OS
Windows 11 Home
Windows 11 Pro
Windows 11 Pro Education

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* All detail conditions please refer to parts spec sheet upon request.

PROCESSORS

Intel® Core™ Ultra 5 Processor 125H 1.2 GHz (18MB Cache, up to 4.5 GHz, 14 Cores); Intel® AI Boost NPU with Intel® Graphics

Intel® Core™ Ultra 5 Processor 125U 1.3 GHz (12MB Cache, up to 4.3 GHz, 12 Cores); Intel® AI Boost NPU with Intel® Graphics

Intel® Core™ Ultra 5 vPro® processor 135H 1.7 GHz (18M Cache, up to 4.6 GHz, 14 cores); Intel® AI Boost NPU with Intel® Graphics

Intel® Core™ Ultra 7 Processor 155H 1.4 GHz (24MB Cache, up to 4.8 GHz, 16 Cores); Intel® AI Boost NPU with Intel® Graphics

Intel® Core™ Ultra 7 Processor 155U 1.7 GHz (12MB Cache, up to 4.8 GHz, 12 Cores); Intel® AI Boost NPU with Intel® Graphics

Intel® Core™ Ultra 7 vPro® processor 165H 1.4 GHz (24M Cache, up to 5.0 GHz, 16 cores); Intel® AI Boost NPU with Intel® Graphics

* Performance and clock frequency may vary depends on software application , hardware configurations and system loading. Not all software applications can get benefit from multi-core technology.

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CHIPSET

Integrated with processor

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GRAPHICS

Integrated Intel® Graphics

* Integrate graphic depends on CPU.

Discrete N/A

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DISPLAY

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%
Touch Panel: Non-touch screen
Screen-to-body ratio: 85 %
IPS-level: Wide view
Panel interface: eDP

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%
Touch Panel: Touch screen
Screen-to-body ratio: 85 %
IPS-level: Wide view
Panel interface: eDP

Panel Size: 16.0-inch
Backlit: LED Backlit
Brightness: 300nits
Glare: Anti-glare display
Color gamut: NTSC: 45%
Touch Panel: Non-touch screen
Screen-to-body ratio: 85 %
IPS-level: Wide view
Panel interface: eDP

Panel Size: 16.0-inch
Backlit: LED Backlit
Brightness: 400nits
Resolution: WUXGA (1920 x 1200) 16:10
Glare: Anti-glare display
Color gamut: NTSC: 45%
Touch Panel: Non-touch screen
Screen-to-body ratio: 85 %
IPS-level: Wide view
Panel interface: eDP

Panel Size: 16.0-inch
Backlit: LED Backlit
Brightness: 400nits

Resolution: WUXGA (1920 x 1200) 16:10
 Glare: Anti-glare display
 Touch Panel: Non-touch screen
 Screen-to-body ratio: 85 %
 IPS-level: Wide view
 Panel interface: eDP

Panel Size: 16.0-inch
 Backlit: LED Backlit
 Brightness: 500nits
 Resolution: WQXGA (2560 x 1600) 16:10
 Glare: Anti-glare display
 Color gamut: DCI-P3: 100%
 Touch Panel: Non-touch screen
 Screen-to-body ratio: 85 %
 IPS-level: Wide view
 Panel interface: eDP

Panel Size: 16.0-inch
 Backlit: LED Backlit
 Brightness: 500nits
 Resolution: WQXGA (2560 x 1600) 16:10
 Glare: Anti-glare display
 Color gamut: DCI-P3: 100%
 Touch Panel: Touch screen
 Screen-to-body ratio: 85 %
 IPS-level: Wide view
 Panel interface: eDP

Panel Size: 16.0-inch
 Backlit: LED Backlit
 Brightness: 500nits
 Resolution: WQXGA (2560 x 1600) 16:10
 Glare: Anti-glare display
 Touch Panel: Non-touch screen
 Screen-to-body ratio: 85 %
 IPS-level: Wide view
 Panel interface: eDP

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STORAGE AND DRIVES

256GB M.2 2280 NVMe™ PCIe® 4.0 SSD
512GB M.2 2230 NVMe™ PCIe® 4.0 SSD
512GB M.2 2280 NVMe™ PCIe® 4.0 SSD
512GB M.2 2280 NVMe™ PCIe® 4.0 SSD + 512GB M.2 2230 NVMe™ PCIe® 4.0 SSD(RAID0)
512GB M.2 2280 NVMe™ PCIe® 4.0 SSD + 512GB M.2 2230 NVMe™ PCIe® 4.0 SSD(RAID1)
1TB M.2 2280 NVMe™ PCIe® 4.0 SSD
512GB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD
1TB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD
2TB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD
256GB M.2 2280 NVMe™ PCIe® 4.0 SSD, TCG Opal 2.0 self-encrypting drive (SED)
512GB M.2 2280 NVMe™ PCIe® 4.0 SSD, TCG Opal 2.0 self-encrypting drive (SED)

* Please contact sales for other combinations.

* Some items may be available after production.

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MEMORY

Maximum Memory

64GB DDR5

system run at 5600 MHz

Memory

8GB DDR5-5600 SO-DIMM

16GB DDR5-5600 SO-DIMM

32GB DDR5-5600 SO-DIMM

Memory Slot

2x SODIMM

* Please contact sales for other combinations.

* System runs frequency will depends on CPU support & maximum runs at memory support frequency.

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NETWORKING/COMMUNICATIONS

WLAN

Intel® Wi-Fi 6 AX201(Gig+) 802.11a/b/g/n/ac/ax (2x2) and Bluetooth® 5.2 Combo Wireless Card

Intel® Wi-Fi 6E AX211 802.11a/b/g/n/ac/ax (2x2) and Bluetooth® 5.3 Combo Wireless Card

Intel® Wi-Fi 6E AX211 802.11a/b/g/n/ac/ax (2x2) and Bluetooth® 5.3 Combo Wireless Card, vPro

WWAN

4G Fibocom-FM101-GL LTE Cat6

NFC

N/A
NFC

Ethernet

Intel I219-LM 10/100/1000 Mbps, vPro
Intel I219-V 10/100/1000 Mbps, non-vPro

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AUDIO

Dolby Atmos
Built-in array microphone
Realtek ALC3288

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CAMERA

Front-facing camera

1080p FHD camera with IR function to support Windows Hello, USB interface
1080p FHD camera, USB interface

Rear-facing camera

without camera

World-facing camera

without camera

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KEYBOARDS & FUNCTION KEYS

Keyboard

Chiclet Keyboard
Backlit Chiclet Keyboard

Function Keys

F12: Launches MyASUS

F11: Activates screen capture tool

F9: AI Noise-Canceling Microphone(recording) on/off

F7: Adjusts brightness for the backlit keyboard

F6: Enables or disables the touchpad

F5: Increases display brightness

F4: Decreases display brightness

F1: Turns the speaker on or off

F2: Turns the speaker volume down

F3: Turns the speaker volume up

F8: Toggles the display mode(Note: Ensure that the second display is connected to your Notebook PC)

F10: Default (expert widget) customizable

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* All detail conditions please refer to parts spec sheet upon request.

SOFTWARE

Preinstalled Software feature

MyASUS

MyASUS

System diagnosis

Battery health charging

Fan Profile

Splendid

Tru2Life

Function key lock

WiFi SmartConnect

AppDeals

Link to MyASUS

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* All detail conditions please refer to parts spec sheet upon request.

BIOS

SPI ROM SIZE

64MB

HARDWARE SUPPORT

Hall sensor
Support intel vPro
Support Modern Standby
Support AHCI
Support dTPM
Support fTPM
Support RPMC
Support Wake-on-LAN
Support Storage Password
Support BitLocker Network Unlock (include Wifi boot option)
Wide Range power in (5V-20V) through TypeC
Support Type-C: UCSI
Support KB Function Lock
Support Keyboard backlight
ASUS Simprodock 2
Sensors ISH/ FSH

SOFTWARE SUPPORT

MyASUS option: Support Battery Health Charging/ Battery Reminder
MyASUS option: Support Fan Profile: Performance mode
MyASUS option: Support Fan Profile: Whisper
MyASUS option: Support Fan Profile: Standard
Support ASUS Control Center (ACC)
Support ASUS Business Manager
Support Absolute Persistence 2.0 (Computrace)
Support Microsoft DFCI

COMPULSORY

UEFI BIOS code. Boot from, HDD, USB FDD, USB ODD and AI-Flash
Support My ASUS
BIOS setup show System Manufacturer ASUSTeK COMPUTER INC.
Support Serial Number display in BIOS setup menu
Support GUI Interface
Support PXE Boot(Network Stack)
Support UUID
Support Asus AssetTag
Support intel GNA

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SECURITY

BIOS Booting User Password Protection
BIOS setup user password
Fingerprint sensor integrated with Power Key
HDD User Password Protection and Security
Kensington Nano Security Slot™(6x 2.5mm)
Support Absolute Persistence 2.0 (Computrace)
Trusted Platform Module (Firmware TPM)
Trusted Platform Module (TPM) 2.0

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MILITARY GRADE

US MIL-STD 810H military-grade standard

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POWER

Power Supply

TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal

Battery

50WHrs, 3S1P, 3-cell Li-ion

63WHrs, 3S1P, 3-cell Li-ion

* Battery life will vary depending on various factors including product model, configuration, loaded application, features, use, wireless

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DIMENSIONS

Device (W x D x H)

35.80 x 25.43 x 1.89 ~ 2.29 cm (14.09" x 10.01" x 0.74" ~ 0.90")

Carton (W x D x H)

With Bag/Sleeve: 54 x 13 x 33.2 cm (21.25" x 5.12" x 13.07")

Without Bag/Sleeve: 53.3 x 7.5 x 31.9 cm (20.98" x 2.95" x 12.56")

WEIGHTS

Weight (w/o Battery)

1.11 kg (2.45 lbs)
1.46 kg (3.22 lbs)
1.47 kg (3.24 lbs)
1.49 kg (3.28 lbs)
1.53 kg (3.37 lbs)
1.54 kg (3.40 lbs)
1.64 kg (3.62 lbs)
1.71 kg (3.77 lbs)

Weight (w/ Battery A)

1.29 kg (2.84 lbs) with 50 WHrs battery
1.65 kg (3.64 lbs) with 50 WHrs battery
1.71 kg (3.77 lbs) with 63 WHrs battery
1.72 kg (3.79 lbs) with 50 WHrs battery
1.73 kg (3.81 lbs) with 63 WHrs battery
1.78 kg (3.92 lbs) with 63 WHrs battery
1.88 kg (4.14 lbs) with 63 WHrs battery
1.95 kg (4.30 lbs) with 63 WHrs battery
63 WHrs battery

* Weight may vary by configuration.

PORTS/SLOTS**IO ports**

1x 3.5mm Combo Audio Jack
1x HDMI 2.1 TMDS
1x RJ45 Gigabit Ethernet
2x Thunderbolt™ 4, compliant with USB4, supports display / power delivery
2x USB 3.2 Gen 2 Type-A
Smart Card reader
- Security IC, Alcor Micro AU9560
- Support ISO 781603 class A/B/C card & DoD common Access card
- Support (PIV/HSPD-12) protocol
- Support EMVCo 4.3a protocol

Expansion Slot(includes used)

2x DDR5 SO-DIMM slots
1x M.2 2230 PCIe 4.0x4
1x M.2 2280 PCIe 4.0x4

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Certifications

Certificate	Country
BIS	India
BSMI	Taiwan
BSMI(NCC)/ST	Taiwan
CB	Universal
CCC(CQC)	China
EPEAT	Universal
EPEAT Website(EPEAT網站揭露)	Universal
EU-type examination certificate	Austria
EU-type examination certificate	Belgium
EU-type examination certificate	Bulgaria
EU-type examination certificate	Croatia
EU-type examination certificate	Cyprus
EU-type examination certificate	Czech Republic
EU-type examination certificate	Denmark
EU-type examination certificate	Estonia
EU-type examination certificate	Finland
EU-type examination certificate	France
EU-type examination certificate	Germany
EU-type examination certificate	Greece
EU-type examination certificate	Hungary
EU-type examination certificate	Iceland
EU-type examination certificate	Ireland
EU-type examination certificate	Italy
EU-type examination certificate	Latvia
EU-type examination certificate	Liechtenstein
EU-type examination certificate	Lithuania
EU-type examination certificate	Luxembourg
EU-type examination certificate	Malta
EU-type examination certificate	Netherlands
EU-type examination certificate	Norway
EU-type examination certificate	Poland

Certificate	Country
EU-type examination certificate	Portugal
EU-type examination certificate	Romania
EU-type examination certificate	Slovakia
EU-type examination certificate	Slovenia
EU-type examination certificate	Spain
EU-type examination certificate	Sweden
EU-type examination certificate	Switzerland
EU-type examination certificate	United Kingdom
Energy Star	Universal
IMDA	Singapore
JATE	Japan
KC	South Korea
KCC	South Korea
NBTC	Thailand
NRTL	Canada
NRTL	United States
NTC(Type Acceptance Certificate)	Philippines
REACH	Universal
RoHS	Universal
SDPPI	Indonesia
SIRIM	Malaysia
Scores of Reparability Index	France
TCO	Austria
TCO	Belgium
TCO	Bulgaria
TCO	Croatia
TCO	Cyprus
TCO	Czech Republic
TCO	Denmark
TCO	Estonia
TCO	Finland

Certificate	Country
TCO	France
TCO	Germany
TCO	Greece
TCO	Hungary
TCO	Iceland
TCO	Ireland
TCO	Italy
TCO	Latvia
TCO	Liechtenstein
TCO	Lithuania
TCO	Luxembourg
TCO	Malta
TCO	Netherlands
TCO	Norway
TCO	Poland
TCO	Portugal
TCO	Romania
TCO	Slovakia
TCO	Slovenia
TCO	Spain
TCO	Sweden
TCO	Switzerland
TCO	United Kingdom
TW Green Mark(台灣環保標章)	Taiwan
UKCA-TypeExamination certificate	United Kingdom
WFD	Austria
WFD	Belgium
WFD	Bulgaria
WFD	Croatia
WFD	Cyprus
WFD	Czech Republic

Certificate	Country
WFD	Denmark
WFD	Estonia
WFD	Finland
WFD	France
WFD	Germany
WFD	Greece
WFD	Hungary
WFD	Iceland
WFD	Ireland
WFD	Italy
WFD	Latvia
WFD	Liechtenstein
WFD	Lithuania
WFD	Luxembourg
WFD	Malta
WFD	Netherlands
WFD	Norway
WFD	Poland
WFD	Portugal
WFD	Romania
WFD	Slovakia
WFD	Slovenia
WFD	Spain
WFD	Sweden
WFD	Switzerland
WFD	United Kingdom
WHQL	Universal
中國環境標誌(十環)	China
衝突礦產	Universal

Adapter

Certificate	Country
BIS	India
BSMI	Taiwan
CB(60950)	Universal
CB(62368)	Universal
CCC	China
CE	Austria
CE	Belgium
CE	Bulgaria
CE	Croatia
CE	Cyprus
CE	Czech Republic
CE	Denmark
CE	Estonia
CE	Finland
CE	France
CE	Germany
CE	Greece
CE	Hungary
CE	Iceland
CE	Ireland
CE	Italy
CE	Latvia
CE	Liechtenstein
CE	Lithuania
CE	Luxembourg
CE	Malta
CE	Netherlands
CE	Norway

Certificate	Country
CE	Poland
CE	Portugal
CE	Romania
CE	Slovakia
CE	Slovenia
CE	Spain
CE	Sweden
CE	Switzerland
CE	United Kingdom
CECP	China
EAC (CU)	Armenia
EAC (CU)	Belarus
EAC (CU)	Kazakhstan
EAC (CU)	Kyrgyz
EAC (CU)	Russia
FCC EMC	United States
K-MEPS 能效	South Korea
KC	South Korea
KCC	South Korea
NOM / NOM 029	Mexico
NRCAN 能效	Canada
PSB	Singapore
PSE	Japan
RCM	Australia
SEC	Chile
SII	Israel
STB Belarus EE	Belarus
TUV-GS	Germany
TUV-S	Argentina
UL	United States
Ukraine	Ukraine

* EPEAT, Energy star certification status may vary by different country and configuration.