



B3604CMA



B3604CVA



B3604CVF



Model

B3604CMA

B3604CVA

B3604CVF

Color

Star Black

Star Black

Star Black

Operating System

Windows 11 Pro Education
*Some devices for academic use will automatically be updated to Windows 11 Pro Education with the Windows 11 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 11 Pro Education feature information.
Windows 11 Pro
Windows 11 Home - ASUS recommends Windows 11 Pro for business
Non-preinstalled OS

Windows 11 Pro Education
*Some devices for academic use will automatically be updated to Windows 11 Pro Education with the Windows 11 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 11 Pro Education feature information.
Windows 11 Pro
Windows 11 Home - ASUS recommends Windows 11 Pro for business
Non-preinstalled OS

Windows 11 Pro Education
*Some devices for academic use will automatically be updated to Windows 11 Pro Education with the Windows 11 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 11 Pro Education feature information.
Windows 11 Pro
Windows 11 Home - ASUS recommends Windows 11 Pro for business
Non-preinstalled OS

Processor

Intel® Core™ Ultra 7 Processor 155H 1.4 GHz (24MB Cache, up to

Intel® Core™ 7 Processor 150U 1.8 GHz (12MB Cache, up to 5.4

Intel® Core™ i7-1355U Processor 1.7 GHz (12MB Cache, up to 5.0



B3604CMA



B3604CVA



B3604CVF

16 cores); Intel® AI Boost NPU
Intel® Core™ Ultra 7 vPro®
processor 165H 1.4 GHz (24M
Cache, up to 5.0 GHz, 16 cores);
Intel® AI Boost NPU
Intel® Core™ Ultra 7 Processor
155U 1.7 GHz (12MB Cache, up to
4.8 GHz, 12 Cores); Intel® AI
Boost NPU
Intel® Core™ Ultra 5 Processor
125H 1.2 GHz (18MB Cache, up to
4.5 GHz, 14 Cores); Intel® AI
Boost NPU
Intel® Core™ Ultra 5 vPro®
processor 135H 1.7 GHz (18M
Cache, up to 4.6 GHz, 14 cores);
Intel® AI Boost NPU
Intel® Core™ Ultra 5 Processor
125U 1.3 GHz (12MB Cache, up to
4.3 GHz, 12 Cores); Intel® AI
Boost NPU

processor 1.9 GHz (12M Cache,
up to 4.7 GHz, 12 cores)
Intel® Core™ 5 Processor 120U
1.4 GHz (12MB Cache, up to 5.0
GHz, 10 Cores)
Intel® Core™ i7-1360P Processor
2.2 GHz (18MB Cache, up to 5.0
GHz, 12 cores, 16 Threads)
Intel® Core™ i5-1340P Processor
1.9 GHz (12MB Cache, up to 4.6
GHz, 12 cores, 16 Threads)
Intel® Core™ i7-1355U Processor
1.7 GHz (12MB Cache, up to 5.0
GHz, 10 cores, 12 Threads)
Intel® Core™ i5-1335U Processor
1.3GHz (12M Cache, up to
4.6GHz, 10 cores)
Intel® Core™ 3 Processor 100U
1.2 GHz (10MB Cache, up to 4.7
GHz, 6 Cores)
Intel® Core™ i3-1315U Processor
1.2 GHz (10MB Cache, up to 4.5
GHz, 6 cores, 8 Threads)

1.2 GHz (10MB Cache, up to 4.5
GHz, 6 cores, 8 Threads)

Graphics

Intel® Graphics
Intel® Arc™ Graphics(available for
Intel® Core™ Ultra H 5/7/9 with
dual channel memory)

Intel® Graphics
Intel® UHD Graphics
Intel Iris Xe Graphics (available for
Intel® Core™ i5/i7/i9 with dual
channel memory)

NVIDIA® GeForce® RTX 2050,
Intel® UHD Graphics

Neural processor

Intel® AI Boost NPU



B3604CMA



B3604CVA



B3604CVF

display, Non-touch screen, Screen-to-body ratio:85 %
WQXGA (2560 x 1600) 16:10, DCI-P3: 100%, 16.0-inch, 500nits, Wide view, LED Backlit, Anti-glare display, Touch screen, With stylus support, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Non-touch screen, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Touch screen, With stylus support, Screen-to-body ratio:85 %

display, Touch screen, With stylus support, Screen-to-body ratio:85 %
WQXGA (2560 x 1600) 16:10, DCI-P3: 100%, 16.0-inch, 500nits, Wide view, LED Backlit, Anti-glare display, Non-touch screen, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Non-touch screen, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Touch screen, With stylus support, Screen-to-body ratio:85 %

display, Non-touch screen, Screen-to-body ratio:85 %
WQXGA (2560 x 1600) 16:10, DCI-P3: 100%, 16.0-inch, 500nits, Wide view, LED Backlit, Anti-glare display, Touch screen, With stylus support, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Non-touch screen, Screen-to-body ratio:85 %
WUXGA (1920 x 1200) 16:10, 16.0-inch, 300nits, Wide view, LED Backlit, Anti-glare display, NTSC: 45%, Touch screen, With stylus support, Screen-to-body ratio:85 %

Memory

32GB DDR5 SO-DIMM, Memory Max Up to:32GB
16GB DDR5 SO-DIMM, Memory Max Up to:32GB
16GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB
8GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB
8GB DDR5 SO-DIMM, Memory Max Up to:32GB

32GB DDR5 SO-DIMM, Memory Max Up to:32GB
16GB DDR5 SO-DIMM, Memory Max Up to:32GB
16GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB
8GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB
8GB DDR5 SO-DIMM, Memory Max Up to:32GB

16GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB
16GB DDR5 SO-DIMM, Memory Max Up to:32GB
8GB DDR5 SO-DIMM, Memory Max Up to:32GB
8GB DDR5 SO-DIMM x 2, Memory Max Up to:32GB

Storage

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

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

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



B3604CMA



B3604CVA



B3604CVF

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
256GB M.2 2280 NVMe™ PCIe® 4.0 SSD

512GB M.2 2280 NVMe™ PCIe® 4.0 SSD
256GB M.2 2280 NVMe™ PCIe® 4.0 SSD
128GB M.2 2280 NVMe™ PCIe® 4.0 SSD

128GB M.2 2280 NVMe™ PCIe® 4.0 SSD

I/O Ports

2x Thunderbolt™ 4, compliant with USB4, supports display / power delivery
2x USB 3.2 Gen 2 Type-A
1x RJ45 Gigabit Ethernet
1x 3.5mm Combo Audio Jack
1x HDMI 2.1 TMDS
Smart card reader

1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery
2x USB 3.2 Gen 2 Type-A
1x RJ45 Gigabit Ethernet
1x USB 3.2 Gen 2 Type-C support power delivery
1x 3.5mm Combo Audio Jack
1x HDMI 2.1 TMDS
Smart card reader

1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery
2x USB 3.2 Gen 2 Type-A
1x RJ45 Gigabit Ethernet
1x USB 3.2 Gen 2 Type-C support power delivery
1x 3.5mm Combo Audio Jack
1x HDMI 2.1 TMDS
Smart card reader

Expansion Slots(includes used)

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

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

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

Keyboard & Touchpad

1.5mm Key-travel, Backlit Chiclet Keyboard, Spill-resistant Keyboard
1.5mm Key-travel, Spill-resistant Keyboard, Chiclet Keyboard

1.5mm Key-travel, Backlit Chiclet Keyboard with Num-key, Spill-resistant Keyboard
1.5mm Key-travel, Chiclet

1.5mm Key-travel, Backlit Chiclet Keyboard, Spill-resistant Keyboard
1.5mm Key-travel, Spill-resistant Keyboard, Chiclet Keyboard



B3604CMA



B3604CVA



B3604CVF

Camera

1080p FHD camera with IR
function to support Windows Hello
720p HD camera
With privacy shutter

1080p FHD camera with IR
function to support Windows Hello
720p HD camera
With privacy shutter

1080p FHD camera with IR
function to support Windows Hello
720p HD camera
With privacy shutter

Audio

Built-in array microphone
Built-in speaker
Audio by Dirac

Built-in array microphone
Built-in speaker
Audio by Dirac

Built-in array microphone
Built-in speaker
Audio by Dirac

Network and
Communication

Wi-Fi 6E(802.11ax) (Dual band)
2*2 + Bluetooth® 5.3 Wireless
Card (Vpro)
Wi-Fi 6E(802.11ax) (Dual band)
2*2 + Bluetooth® 5.3 Wireless
Card
4G LTE support (in selected
territories)
Wi-Fi 6(802.11ax) (Dual band) 2*2
+ Bluetooth® 5.2 Wireless Card

Wi-Fi 6E(802.11ax) (Dual band)
2*2 + Bluetooth® 5.3 Wireless
Card (Vpro)
Wi-Fi 6E(802.11ax) (Dual band)
2*2 + Bluetooth® 5.3 Wireless
Card
Wi-Fi 6(802.11ax) (Dual band) 2*2
+ Bluetooth® 5.2 Wireless Card

Wi-Fi 6E(802.11ax) (Dual band)
2*2 + Bluetooth® 5.3 Wireless
Card
Wi-Fi 6(802.11ax) (Dual band) 2*2
+ Bluetooth® 5.2 Wireless Card

Battery

63WHrs, 3S1P, 3-cell Li-ion
50WHrs, 3S1P, 3-cell Li-ion
Long life rechargeable lithium
polymer battery.

63WHrs, 3S1P, 3-cell Li-ion
50WHrs, 3S1P, 3-cell Li-ion
Long life rechargeable lithium
polymer battery.

63WHrs, 3S1P, 3-cell Li-ion
Long life rechargeable lithium
polymer battery.

Power Supply

TYPE-C, 65W AC Adapter, Output:
20V DC, 3.25A, 65W, Input:

TYPE-C, 65W AC Adapter, Output:
20V DC, 3.25A, 65W, Input:

TYPE-C, 90W AC Adapter, Output:
20V DC, 4.5A, 90W, Input:



B3604CMA



B3604CVA



B3604CVF

Weight

Start from:01.70 Kg (3.92 lbs)

Start from:01.70 Kg (3.92 lbs)

Start from:01.91 Kg (4.21 lbs)

Dimensions (W x D x H)

35.80 x 25.43 x 2.03 ~ 2.03 cm
(14.09" x 10.01" x 0.80" ~ 0.80")

35.80 x 25.43 x 2.03 ~ 2.03 cm
(14.09" x 10.01" x 0.80" ~ 0.80")

35.80 x 25.43 x 2.43 ~ 2.43 cm
(14.09" x 10.01" x 0.96" ~ 0.96")

Built-in Apps

MyASUS

MyASUS

MyASUS

MyASUS Features

Link to MyASUS
AppDeals
WiFi SmartConnect
Function key lock
Tru2Life
Splendid
Fan Profile
Battery health charging
System diagnosis

Link to MyASUS
AppDeals
WiFi SmartConnect
Function key lock
Tru2Life
Splendid
Fan Profile
Battery health charging
System diagnosis

Link to MyASUS
AppDeals
WiFi SmartConnect
Function key lock
Tru2Life
Splendid
Fan Profile
Battery health charging
System diagnosis

Military Grade

US MIL-STD 810H military-grade
standard

US MIL-STD 810H military-grade
standard

US MIL-STD 810H military-grade
standard

Ecolabels & Compliances

REACH
RoHS
FSC Mix
Energy star 8.0

REACH
RoHS
FSC Mix
Energy star 8.0

REACH
RoHS
FSC Mix
Energy star 8.0



B3604CMA



B3604CVA



B3604CVF

Sustainable Material

30.8%

30.8%

30.8%

Security

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

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

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

Included in the Box (Optional)

MPP 2.0 ASUS Pen
Wireless optical mouse
Wired optical mouse (USB)
Carry bag
Backpack

MPP 2.0 ASUS Pen
Wireless optical mouse
Wired optical mouse (USB)
Carry bag
Backpack

MPP 2.0 ASUS Pen
Wireless optical mouse
Wired optical mouse (USB)
Carry bag
Backpack