SINETIC

XtremeBook X46M

14" Rugged AI Notebook

- Windows
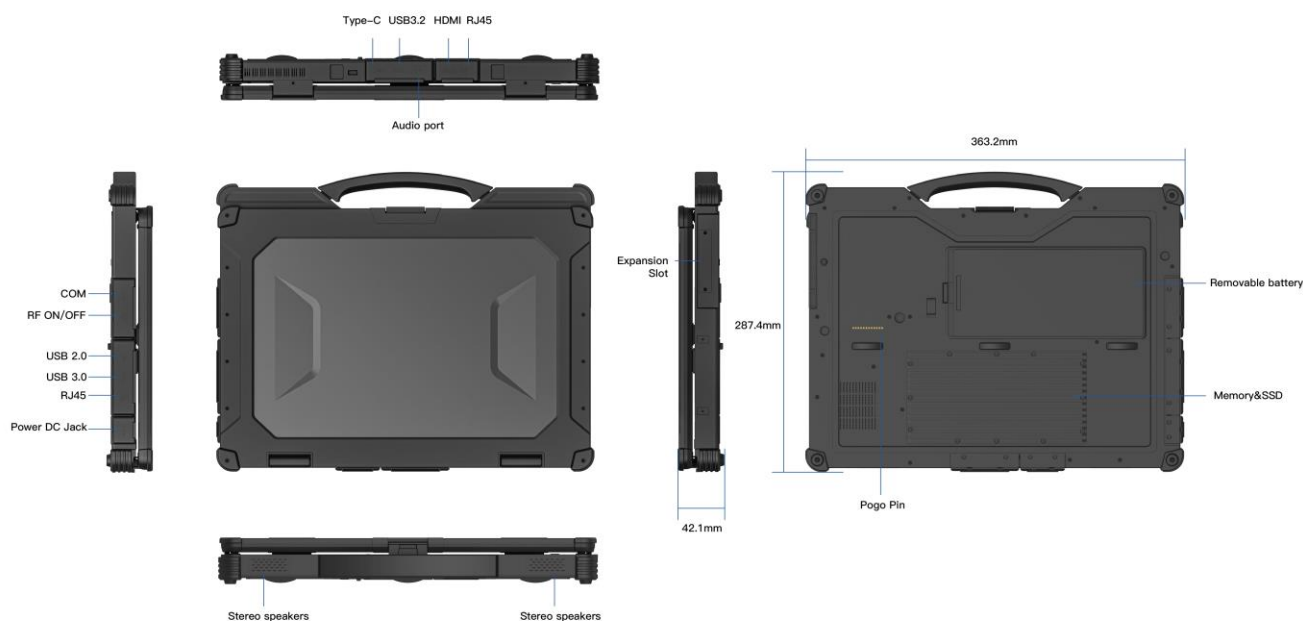- IP65
- GPS
- Camera
- Dual-Battery
- Fingerprint
- NFC
- 5G
- WIFI
- Bluetooth

Features

- Support for Win 11/10 system
- Intel® Core™ Ultra 7 Processor 155H/ Ultra 5 Processor 125H
- The fuselage is equipped with dual battery design and increase endurance to 6-8 Hours
- IP65 high protection level, in accordance with MIL-STD-810H
- Support WiFi 6, BT 5.1, M.2 interface 5G/4G selection
- Support 1920x1080 FHD, optional with Corning gorilla screen
- Support rich expansion slot and fingerprint design, can be applied to various complex industry needs an expand demand

Product View

Type–C USB3.2 HDMI RJ45

Audio port

COM
RF ON/OFF
USB 2.0
USB 3.0
RJ45
Power DC Jack

Stereo speakers   Stereo speakers

Expansion Slot

363.2mm

287.4mm

42.1mm

Removable battery

Memory&SSD

Pogo Pin

All technical specifications are subjected to change without prior notice.

Specification

System	
Processor	• Intel® Core™ Ultra 7 Processor 155H • Optional Intel® Core™ Ultra 5 Processor 125H
OS Support	• Windows 11/10
Memory	• 16Gb/32GB
Storage	• 256GB/512GB
LCD	• 14" FHD 16:9, 1920x1080, 1000nits
Touch Panel	• Optional 10-point capacitive screen, • Hardness 7H, Scratch Resistance • Supports Glove Touch
Camera	• Front 5.0MP
I/O	• USB3.2 x1, USB3.0 x1 · USB2.0 x1 • TYPE-C, Supports Thunderbolt 4 • ∮3.5mm Standard Earphone Jack x1 • HDMI 2.0a mini x1 • SIM card x1 · TF card x1 • RJ45x1 10M/100M/1000M self-adaptive · • RJ45x1 10M/100M/1000Mself-adaptive(USB2.0), supports Gigabit Ethernet protocol • RS232 x1, 9 fully functional lines • DC19V/3.78A ∮5.5mm power interface x1 • Anti-theft Lock Slot x1 • Right-side Cooling Vent x1 • Left-side expansion slot, optional M.2-2280 PCIe interface x1, supports SSD; • Optional: M.2 E-KEY interface x1 for custom modules • Optional: 12PIN Pogo Pin (USB & Charging) x1
Power	• AC100V ~ 240V, Output DC 19V/3.78A/71.82W output US Standard (Optional EU Standard)
Color	• Black
Communication	
WIFI	• Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
Bluetooth	• BT5.1(BLE) class 1 • Transmission distance: 10m
4G	• 4G Optional M.2 European Standard • LTE-FDD: B1/3/5/7/8/20/28 • LTE-TDD: B38/40/41
5G	• 5G Optional M.2 • 5G NR • NSA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/ • 40/41/48/66/70/ 71/75/76/77/78/79/ • SA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/ • 40/41/48/ 66/70/71/75/76/77/78/79 • LTE • LTE-FDD B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/ • 28/29/30/32/66/71 • LTE-TDD B34/38/39/40/41/42/43/48 • LAA B46 • UMTS WCDMA B1/2/4/5/8/19
GNSS	• Supports single GPS or single Glonass, default GPS

Battery	
Small Battery	• Built-in Polymer Lithium-ion Battery, Non-removable • 1300mah/11.1V (14.4WH) • 1.5H (Default 50% volume, 200 lumens brightness, • playing 1080P HD video)
Large Battery	• Removable Li-polyment Battery, Hot-swappable • 4850mah/11.55V（56WH） • 8H (1080P video playing with system in balanced mode, • 320nits screen brightness, 70db volume at 10cm, • and WiFi/BT turned off)
Data Collection	
Fingerprint	• SPI Fingerprint (Power on Login)
Keyboard	• US Layout Keyboard with Backlight
NFC	• Optional, 13.56MHz, ISO/IEC 14443A/B, • ISO/IEC 15693, ISO/IEC 18092
Mechanical & Reliability	
Dimension	• 363.2 x 287.4 x 42.1mm
Weight	• 2970g
Operating Temperature	• -20 °C ~ 60 °C
Storage Temperature	• -30 °C ~ 70 °C
Humidity	• 95% Non-Condensing
Rugged Feature	• IP65 certified, MIL-STD-810H certified
Drop Height	• 1.2m

Application

Various modules and accessories can be selected to meet customers' application in various industries. Agricultural Production, Outdoor Work, Equipment Monitoring, Industrial Manufacturing.

Agricultural Production   Outdoor Work   Equipment Monitoring   Industrial Manufacture

SINETIC Technologies Pte Ltd
Address: 22 Sin Ming Lane #06-76 Midview City Singapore 573969 Phone: +65-62788380 Email: info@sinetic.com Website: https://sinetic.com

All technical specifications are subjected to change without prior notice.