

Khadas Mind

Portable Workstation

Redefine Your Computing Essence





Simplify to amplify.

Mind 2/2s Portable Workstation

(Intel® Core™ Ultra)

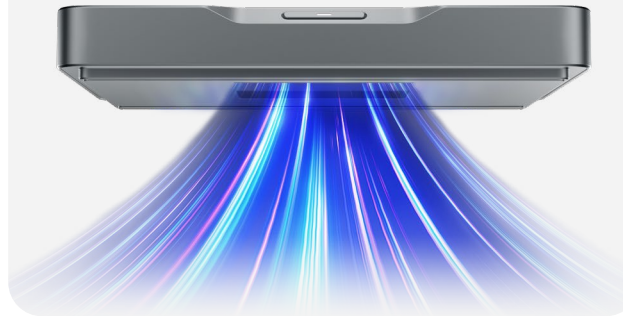
Ultra-Thin & Ultra-Light

Weighs 435 grams, as thin as 2 cm
Palm-sized, easily fits in your pocket
CNC anodized aluminum casing
Compact power adapter



One Device for Everything

Exclusive Mind Link interface
Extensive Mind Family expansion modules
Meets various applications & scenarios
Build your dream modular PC



Upgraded I/O

Thunderbolt 4 × 1
USB4 × 1
HDMI 2.1 TMDS × 1
USB-A 3.2 Gen2 × 2



High-Speed Storage

Built-in 2TB SSD
Expandable: 2TB SSD
Magnetic SSD cover
Add storage in a second



Superior Performance

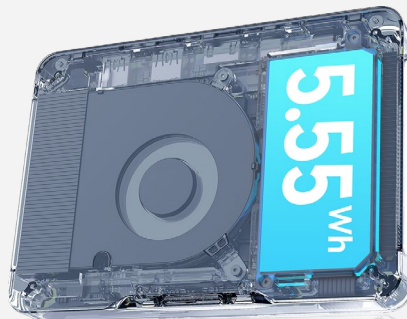
Intel® Core™ Ultra processor
Triple engines: CPU + GPU + NPU
Intel Arc™ integrated graphics
Engineered for the AI era



Series 2

Uninterrupted Mobility

Built-in 5.55Wh battery
Automatic sleep upon power disconnection
25-hour standby
2-second wake-up, instantly ready



64GB LPDDR5X (8400MHz)
Onboard Memory



Up to
3 Displays



Vapor Chamber
Liquid Cooling Heatsink
Pure Copper Fin



Two-year
Warranty

Mind 2s (Ultra 7 Version) Tech Specs



Intel® Core™ Ultra 7 255H Processor

5.1GHz turbo frequency
16 cores, 16 threads
24MB cache



Size & Weight

146 × 105 × 20 mm, 435 g



AI Performance

Total computing power: 96 TOPS
GPU: 74 TOPS



Graphics

Intel Arc™ 140T GPU
2.25GHz dynamic frequency



Memory

64GB LPDDR5X memory
Maximum frequency: 8400 MHz



Storage

2TB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 4.0 M.2 2230 SSD × 1



Battery & Power

Built-in 5.55Wh standby battery
65W USB-C power adapter



Communications

Wi-Fi 6E (802.11ax)
Bluetooth 5.3
Chipset: Intel® Wi-Fi 6E AX211



I/O Ports

Thunderbolt 4 (40Gbps) × 1
USB4 (40Gbps) × 1
HDMI 2.1 TMDS (18Gbps) × 1
USB-A 3.2 Gen2 (10Gbps) × 2



Mind Link

PCIe 5.0 x8 bandwidth, Max speed of 256 GT/s
Supports USB 3.2 Gen2, HDMI 2.1, 10A input power



Display Output

HDMI 2.1 TMDS: up to 4K (60Hz)
Thunderbolt 4 or USB4: up to 8K (60Hz), 5K (72Hz) or 4K (240Hz)



Display Support (In Extend Mode)

Mind 2s (standalone): up to 3 displays
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
· HDMI: 4K (60Hz) × 1
Mind 2s (connected to Mind Dock): up to 4 displays
Mind 2s
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Dock
· HDMI: 4K (60Hz) × 2
Mind 2s (connected to Mind Graphics): up to 4 displays
Mind 2s
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Graphics
· HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 2



Operating System

Windows 11 Home

Mind 2 (Ultra 7 Version) Tech Specs



Intel® Core™ Ultra 7 155H Processor

4.8GHz turbo frequency
16 cores, 22 threads
24M cache



Size & Weight

146 × 105 × 20 mm
435 g



Graphics

Intel Arc™ GPU
2.25GHz dynamic frequency



Memory

64GB LPDDR5X or 32GB LPDDR5 memory
Maximum frequency: 7467 MHz or 6400MHz



Storage

2TB or 1TB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 4.0 M.2 2230 SSD × 1



Battery & Power

Built-in 5.55Wh standby battery
65W USB-C power adapter



Communications

Wi-Fi 6E (802.11ax)
Bluetooth 5.3
Chipset: Intel® Wi-Fi 6E AX211



I/O Ports

Thunderbolt 4 (40Gbps) × 1
USB4 (40Gbps) × 1
HDMI 2.1 TMDS (18Gbps) × 1
USB-A 3.2 Gen2 (10Gbps) × 2



Mind Link

PCIe 5.0 x8 bandwidth, Max speed of 256 GT/s
Supports USB 3.2 Gen2, HDMI 2.1, 10A input power



Display Output

HDMI 2.1 TMDS: up to 4K (60Hz)
Thunderbolt 4 or USB4: up to 8K (60Hz), 5K (72Hz) or 4K (240Hz)



Display Support (In Extend Mode)

Mind 2 (standalone): up to 3 displays
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
· HDMI: 4K (60Hz) × 1
Mind 2 (connected to Mind Dock): up to 4 displays
Mind 2
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Dock
· HDMI: 4K (60Hz) × 2
Mind 2 (connected to Mind Graphics): up to 4 displays
Mind 2
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Graphics
· HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 2



Operating System

Windows 11 Home

Mind 2 (Ultra 5 Version) Tech Specs



Intel® Core™ Ultra 5 125H Processor

4.5GHz turbo frequency
14 cores, 18 threads
18MB cache



Size & Weight

146 × 105 × 20 mm
435 g



Graphics

Intel Arc™ GPU
2.2GHz dynamic frequency



Memory

16GB LPDDR5 memory
Maximum frequency: 6400MHz



Storage

512GB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 4.0 M.2 2230 SSD × 1



Battery & Power

Built-in 5.55Wh standby battery
65W USB-C power adapter



Communications

Wi-Fi 6E (802.11ax)
Bluetooth 5.3
Chipset: Intel® Wi-Fi 6E AX211



I/O Ports

Thunderbolt 4 (40Gbps) × 1
USB4 (40Gbps) × 1
HDMI 2.1 TMDS (18Gbps) × 1
USB-A 3.2 Gen2 (10Gbps) × 2



Mind Link

PCIe 5.0 x8 bandwidth, Max speed of 256 GT/s
Supports USB 3.2 Gen2, HDMI 2.1, 10A input power



Display Output

HDMI 2.1 TMDS: up to 4K (60Hz)
Thunderbolt 4 or USB4: up to 8K (60Hz), 5K (72Hz) or 4K (240Hz)



Display Support (In Extend Mode)

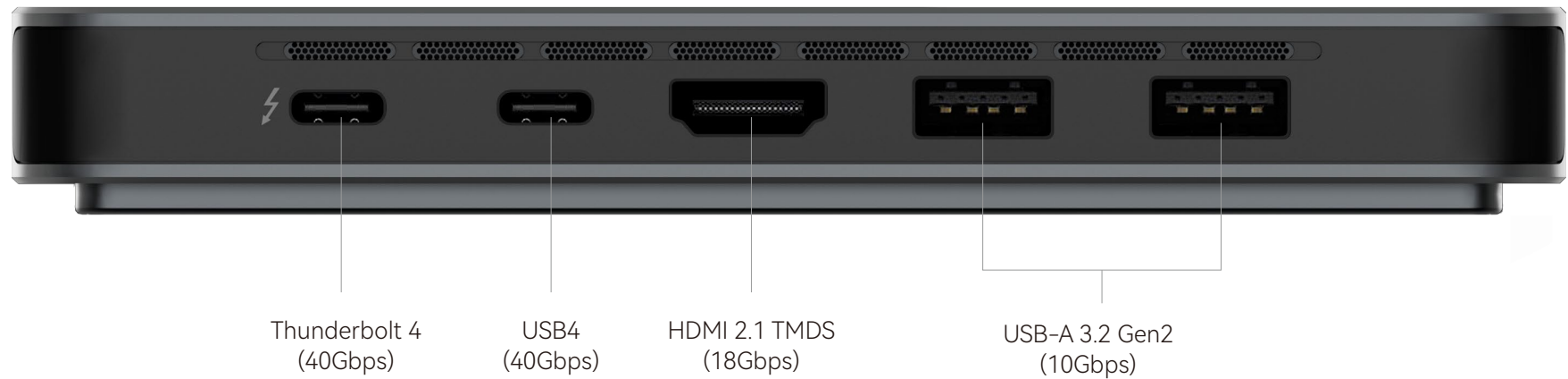
Mind 2 (standalone): up to 3 displays
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
· HDMI: 4K (60Hz) × 1
Mind 2 (connected to Mind Dock): up to 4 displays
Mind 2
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Dock
· HDMI: 4K (60Hz) × 2
Mind 2 (connected to Mind Graphics): up to 4 displays
Mind 2
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Graphics
· HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 2



Operating System

Windows 11 Home

Interface | Mind 2/2s



Thunderbolt 4: supports DP output, PD charging and is compatible with USB4 and USB 3.2
USB4: supports DP output and PD charging



Go beyond boundaries.

Mind 1 Portable Workstation

(13th Gen Intel® Core™)

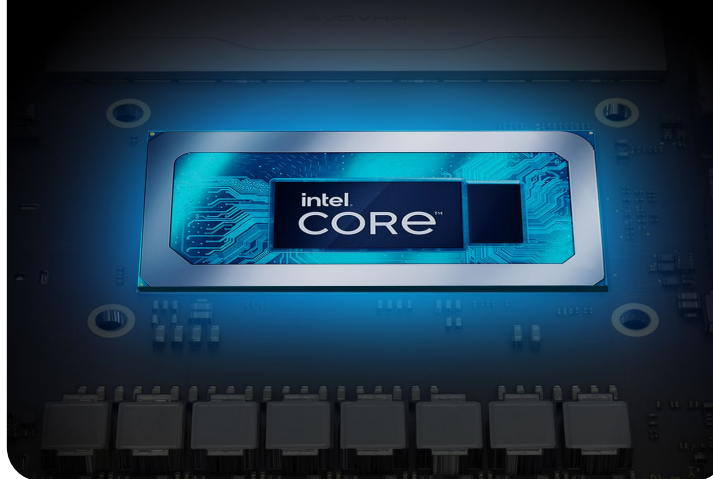
Ultra-Compact Lightweight

435g, ultra-portable
1/4 the size of an A4 paper, fits into your pocket



Exceptional Performance

Intel® Core™ i7-1360P processor
32GB high-speed memory
1TB high-speed SSD storage



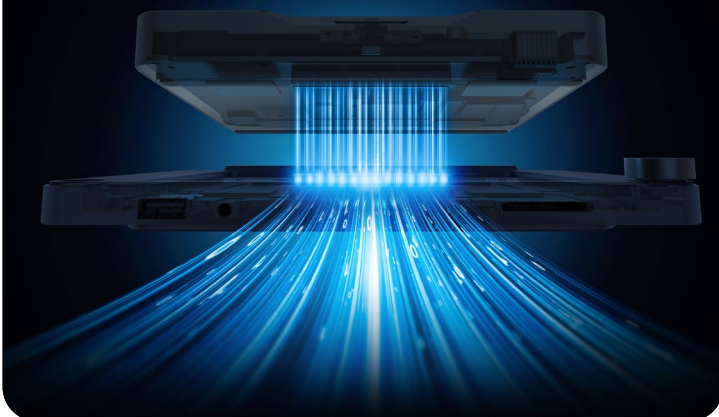
Vapor Chamber Liquid Cooling Heatsink
Pure Copper Fin



Included: 1TB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 3.0 M.2 2230 SSD × 1
(magnetic access cover)

Infinite Expansion

Mind Link—Khasdas' proprietary interface
Connect seamlessly with expansion modules



Effortless Swapping

Built-in 5.55Wh battery
Sleeps automatically when unplugged
Never lose your work, saved for a whole day



LPDDR5, 5200 MHz
Onboard Memory



Up to
3 Displays



USB-C × 2
HDMI 2.0 × 1
USB-A 3.2 Gen2 × 2



Two-year
Warranty

Mind 1 (i7 Version) Tech Specs



13th Gen Intel® Core™ i7-1360P Processor

5.0 GHz Turbo Frequency, 12 cores, 16 threads
4 performance cores + 8 efficiency cores, 18MB Cache



Size & Weight

146 × 105 × 20 mm
435 g



Graphics

Intel Iris® Xe Graphics
1.50GHz Dynamic Frequency



Memory

32GB LPDDR5 onboard memory
Maximum frequency of 5200 MHz



Storage

1TB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 3.0 M.2 2230 SSD × 1



Battery & Power

Built-in 5.55Wh standby battery
65W USB-C power adapter



Communications

Wi-Fi 6E (802.11ax), Bluetooth 5.3
Chipset: Intel® Wi-Fi 6E AX211



I/O Ports

Full-featured USB-C × 2
HDMI 2.0 (18Gbps) × 1
USB-A 3.2 Gen2 (10Gbps) × 2
Mind Link: supports USB 3.2 Gen2, HDMI 2.1, PCIe 5.0, 10A power



Display Output

HDMI 2.0: up to 4K (60Hz)
Full-featured USB-C: up to 8K (60Hz), 5K (72Hz) or 4K (240Hz)



Display Support: Simultaneously supports up to four displays

Mind 1 (standalone): up to 3 displays

- USB-C: 4K (240Hz) or 8K (60Hz) × 2
- HDMI: 4K (60Hz) × 1

Mind 1 (connected to Mind Dock): up to 4 displays

Mind 1

- USB-C: 4K (240Hz) or 8K (60Hz) × 2

Mind Dock

- HDMI: 4K (60Hz) × 2

Mind 1 (connected to Mind Graphics): up to 4 displays

Mind 1

- USB-C: 4K (240Hz) or 8K (60Hz) × 2

Mind Graphics

- HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 1
- HDMI or DisplayPort: 4K (60Hz) × 1



Operating System

Windows 11 Home

Mind 1 (i5 Version) Tech Specs



13th Gen Intel® Core™ i5-1340P Processor

4.6 GHz Turbo Frequency, 12 cores, 16 threads
4 performance cores + 8 efficiency cores, 12MB Cache



Size & Weight

146 × 105 × 20 mm
435 g



Graphics

Intel Iris® Xe Graphics
1.45GHz Dynamic Frequency



Memory

16GB LPDDR5 onboard memory
Maximum frequency of 5200 MHz



Storage

512GB PCIe 4.0 M.2 2230 SSD
Expandable: PCIe 3.0 M.2 2230 SSD × 1



Battery & Power

Built-in 5.55Wh standby battery
65W USB-C power adapter



Communications

Wi-Fi 6E (802.11ax), Bluetooth 5.3
Chipset: Intel® Wi-Fi 6E AX211



I/O Ports

Full-featured USB-C × 2
HDMI 2.0 (18Gbps) × 1
USB-A 3.2 Gen2 (10Gbps) × 2
Mind Link: supports USB 3.2 Gen2, HDMI 2.1, PCIe 5.0, 10A power



Display Output

HDMI 2.0: up to 4K (60Hz)
Full-featured USB-C: up to 8K (60Hz), 5K (72Hz) or 4K (240Hz)



Display Support: Simultaneously supports up to four displays

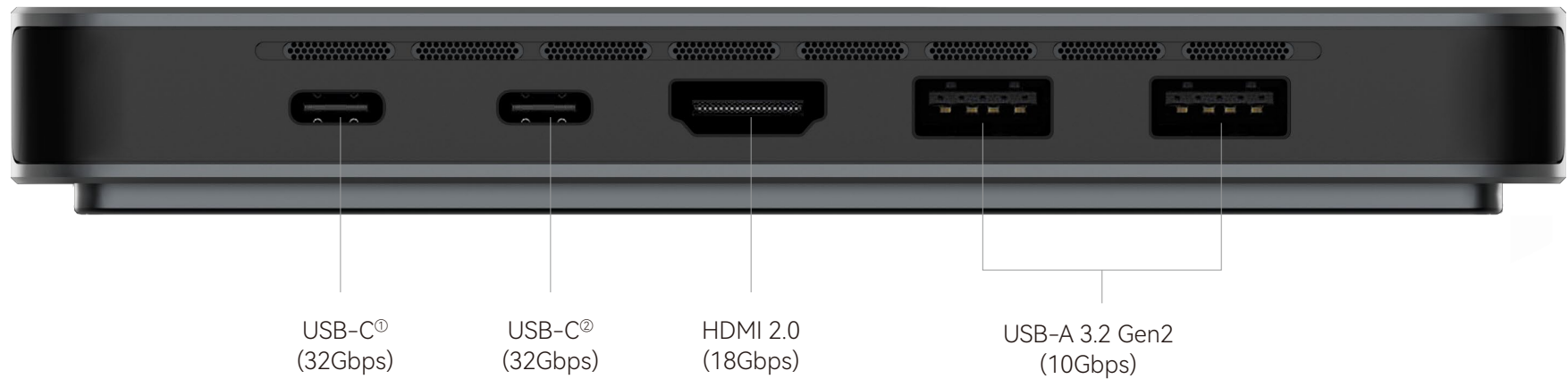
Mind 1 (standalone): up to 3 displays
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
· HDMI: 4K (60Hz) × 1
Mind 1 (connected to Mind Dock): up to 4 displays
Mind 1
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Dock
· HDMI: 4K (60Hz) × 2
Mind 1 (connected to Mind Graphics): up to 4 displays
Mind 1
· USB-C: 4K (240Hz) or 8K (60Hz) × 2
Mind Graphics
· HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 1
· HDMI or DisplayPort: 4K (60Hz) × 1



Operating System

Windows 11 Home

Interface | Mind 1



USB-C^①: supports DP output at 32Gbps, PD charging, and USB 2.0

USB-C^②: supports DP output at 32Gbps, PD charging, and USB 3.2 Gen2

Mind Dock

All-In-One Docking Station



Fingerprint Reader

Log in within milliseconds
Privacy meets convenience



Rich I/O Expansion

4K × 4 Display
2.5 Gbps Ethernet



Enjoy Desktop Audio

Physical volume knob with mute
Terrific sound effects



Magnetic Module
Coupling



Bi-directional
Power Supply

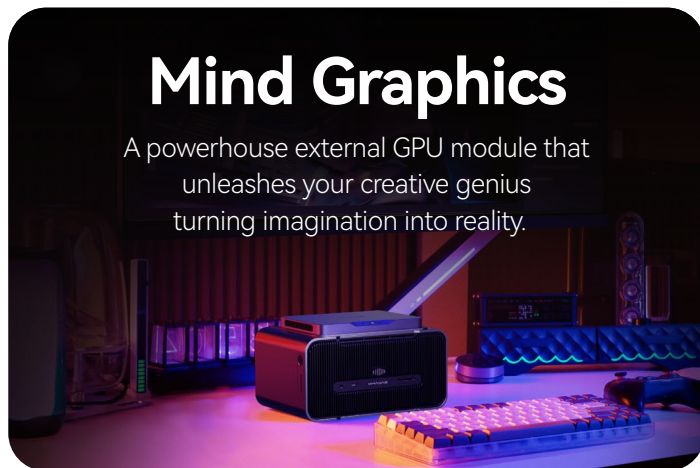
Mind Ecosystem

Leveraging Khadas Mind as its foundation, Khadas consistently bolsters and enriches a dynamic range of Mind expansion modules, tailored to various usage scenarios. With the **Khadas-designed Mind Link interface**, enjoy the seamless swap between various modules. Every module effortlessly integrates into the Mind Ecosystem—it's as simple as a snap.



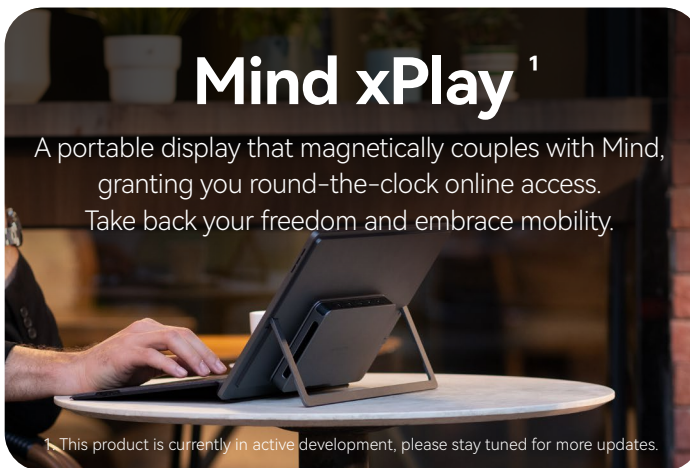
Mind Graphics

A powerhouse external GPU module that
unleashes your creative genius
turning imagination into reality.

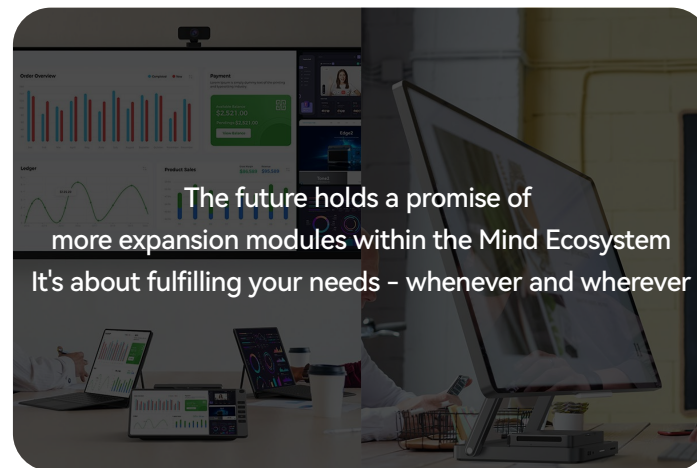


Mind xPlay¹

A portable display that magnetically couples with Mind,
granting you round-the-clock online access.
Take back your freedom and embrace mobility.



¹ This product is currently in active development, please stay tuned for more updates.



The future holds a promise of
more expansion modules within the Mind Ecosystem
It's about fulfilling your needs - whenever and wherever

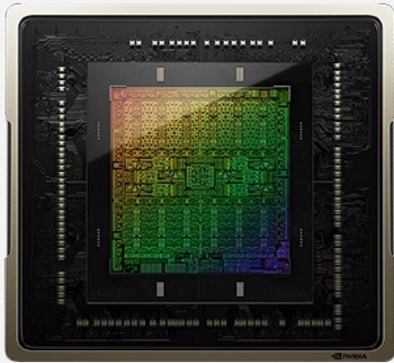
Turbocharge Your Mind With RTX 4060 Ti

Mind Graphics



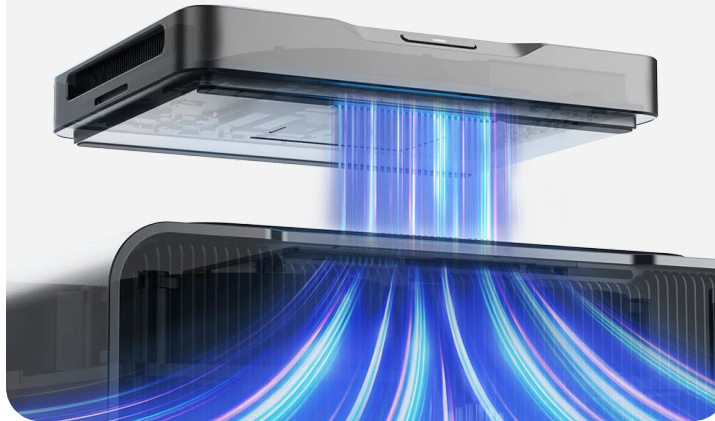
Desktop-Class Performance

NVIDIA® GeForce RTX™ 4060 Ti desktop GPU
Ada Lovelace architecture
16GB GDDR6 VRAM



Lightning-Fast Speed

Mind Link max speed: 128 GT/s
4 times the speed of Thunderbolt 4
Unleash your GPU



USB-C × 1
USB 3.2 Gen2 (10 Gbps) × 3
HDMI 2.1a × 2
DisplayPort 1.4a × 1
2.5 Gbps Ethernet × 1



Magnetic coupling for effortless connection
Physical lock mechanism for secured workflow

Exquisitely Designed

CNC unibody aluminum enclosure
Continuing Khadas' signature design language
Ultra-compact, fits anywhere

199 × 133 × 100 mm



Compatible with 3rd Party Devices

Versatile USB-C interface
Supports Thunderbolt 4/3, USB4
Powers your laptop too



8K

UHD Display
Up to 8K (60Hz)

CNC

Aluminum
Enclosure



Fingerprint
Reader



RGB
Lighting

Mind Graphics Tech Specs



NVIDIA GeForce® RTX™ 4060 Ti (Desktop GPU)

Architecture: Ada Lovelace
GPU Max Power: 160W/165W



Size & Weight

199 × 133 × 100 mm, 2.7 kg



VRAM

8GB/16GB GDDR6



Power

PSU Max Power: 300W
PSU Type: Integrated GaN

Power Delivery

- USB-C: 85W
- Mind Link: 140W



I/O Ports

USB-C × 1 (Supports Thunderbolt 4/3, USB4)
USB-A 3.2 Gen2 (10 Gbps) × 3
HDMI 2.1a × 2
DisplayPort 1.4a × 1
2.5 Gbps Ethernet × 1
SD 4.0 Card Reader (200 MB/s) × 1
3.5mm Headphone Jack × 1



Display Output¹

HDMI 2.1a: up to 4K (240Hz), or 8K (60Hz)
DisplayPort 1.4a: up to 4K (240Hz), or 8K (60Hz)



Display Support: Simultaneously supports up to 4 displays

When connected to Mind 2/2s:

Mind Graphics

- HDMI or DisplayPort: 4K (240Hz) or 8K (60Hz) × 2

Mind 2/2s

- USB-C: 4K (240Hz) or 8K (60Hz) × 2

When connected to Mind 1:²

Mind Graphics

- HDMI: 4K (60Hz) × 2
- DisplayPort: 4K (240Hz) or 8K (60Hz) × 1

Mind 1

- USB-C: 4K (240Hz) or 8K (60Hz) × 1



Audio

Far-field Microphone Array, Dual Speaker System

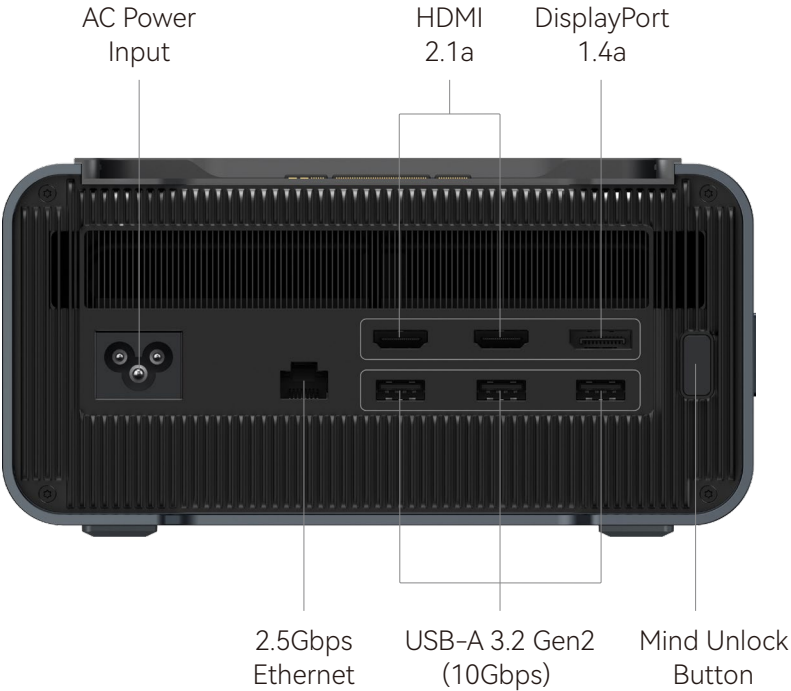
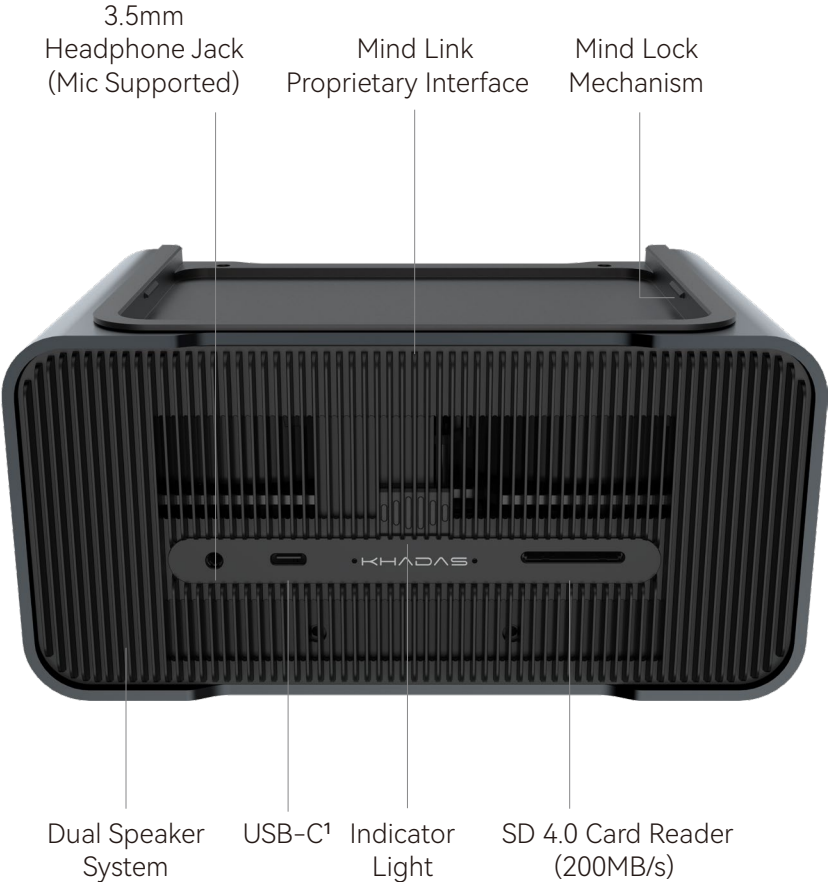


Buttons

Fingerprint Reader (press to mute), Volume Button

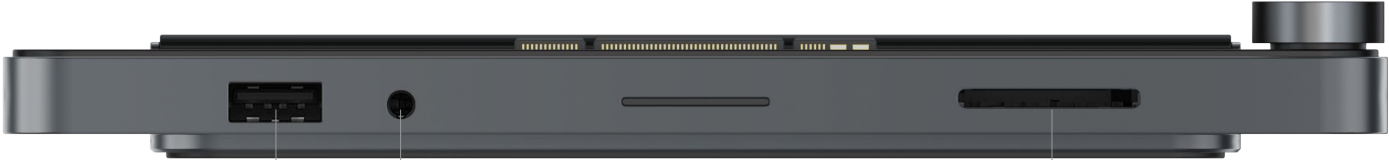
1. To reach the maximum resolution, a display supporting DSC is required.
2. In Extend mode, Mind Graphics supports up to 3 displays, while Mind 1 connects 1 display. Meanwhile, the remaining USB-C and HDMI ports on Mind 1 output in Duplicate mode.

Interface | Mind Graphics



1. When not connected to Mind, it supports Thunderbolt 4/3 graphics acceleration and PD charging.

Interface | Mind Dock



USB-A 3.2 Gen1
(5Gbps)

3.5mm Headphone Jack
(Mic Supported)

SD 4.0 Card Reader
(200MB/s)



Fingerprint Reader

Volume Knob

Ethernet
(2.5Gbps)

HDMI 2.0
(18Gbps)

USB-A 3.2 Gen1
(5Gbps)

USB-C
(Power Delivery)

Mind Reviews

ETA PRIME



Next-Gen
Modular Mini PC
Desktop RTX 4060Ti

[This Next-Gen Modular Mini PC Gets A Major Edge
With An RTX GPU Upgrade Module](#)

Linus Tech Tips



[Everyone Who Tried This Has FAILED – Khadas Mind Modular PC](#)

XDA-Developers



[Khadas Mind review: Redefining the mini PC](#)

Created by Ella



[The Most Interesting Mini PC! | Khadas Mind Modular Computer](#)