

Compact Cases for Small Form Factors

Fanless Cases for

Intel® NUC | AMD Ryzen™ | Raspberry Pi 4 | (Thin) Mini-ITX

Active Cases for

NVIDIA® Jetson Nano™ | (Thin) Mini-ITX | Intel® Compute Element-H



SUPERB DESIGN ENGINEERING

Company Introduction & Key Thermal Solutions Milestones



- **1997** Founded in Taipei & London (EMEA)
- **1998** Akasa (Asia) Corp. established (APAC & NA)
- **2000** Official launch of brand "Akasa"
- **2001** Brazil office established (South America)
- **2005** Fan manufacturing facilities opened in Dong Guang, China
- **2007** New facility, Dachi Metal and Electronics Ltd., operated in Dong Guang China for assembly
- **2009** ISO9001 & ISO14001 certified
- **2012** CNC manufacturing facilities opened in Dong Guang, China
- **2012** First range of Fanless Chassis for Intel®-based Thin- Mini ITX launches
- **2013** First range of Fanless Chassis for Intel® 4x4 NUCs
- **2015** First range of IP65-rated Fanless Chassis for Intel® NUCs
- **2020** Release of Maxwell Pro for Mini-ITX Intel® & AMD platforms at 65W TDP
- **2021** Netherlands office established (for European Union customers)
- **2022** Fanless Case solutions for Intel® LGA1700

Akasa is an extremely versatile turnkey manufacturer with the capability to turn your concepts and ideas into a series of products



Pre-Sales
Need Analysis



Product Design



Prototype
&
Fabrication



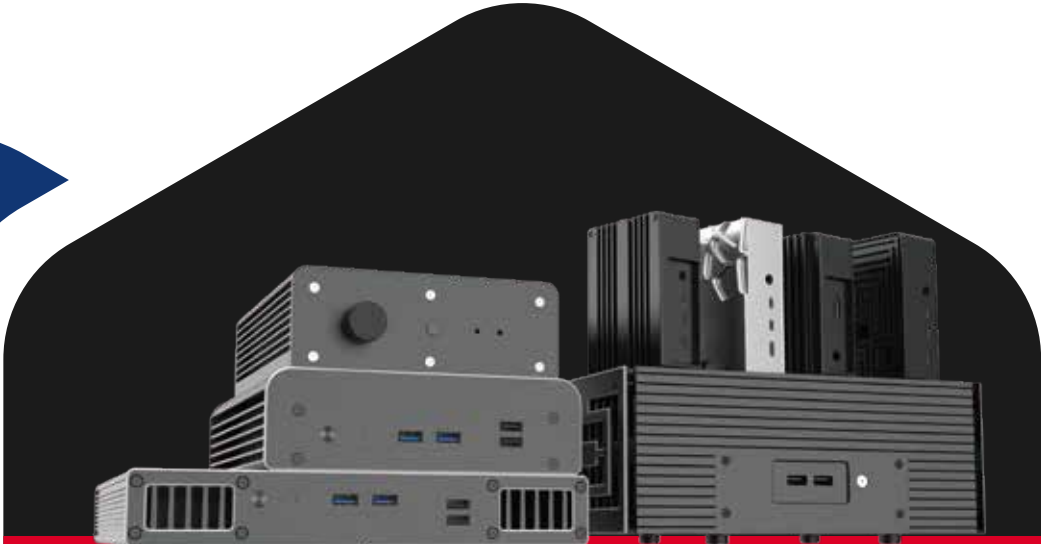
Production
Logistics
Post-Sales

Our engineering staff boasts unmatched experience and practical knowledge. Our group can provide conceptual studies and drawings within a short time, and complex custom built hardware within a reasonable time.

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Case Solutions for Small Form Factors

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- Power Adapters for Compact Cases



Designed for

intel
NUC
element

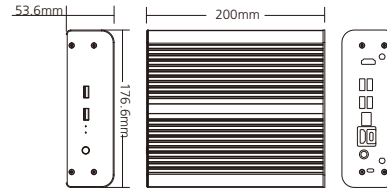


Newton NE2

Compact Silent Evolution for Intel® NUC Garden Beach Board Element and Compute Element (U-Series)

- Aluminium fanless CPU cooling design
- Supports two HDMI interfaces

product code: A-NUC71-M2B



front USB 2.0 x 2	Antenna fitting hole	VESA mounting	Kensington lock
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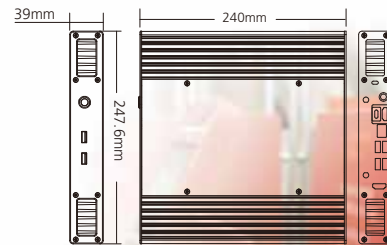


Plato NE2

Slim Fanless Case for Intel® NUC Garden Beach Board Element and Compute Element (U-Series)

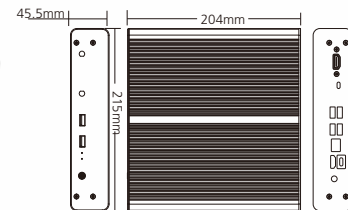
- Aluminium fanless CPU cooling design
- Supports two HDMI interfaces

product code: A-NUC72-M1B



front USB 2.0 x 2	Antenna fitting hole	VESA mounting	Kensington lock
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Compatible with: the following Intel® models:- NUC Compute Elements (U-Series): Hard Bay (12th Gen) / Elk Bay (11th Gen)
 NUC 12 Compute Element (U-Series): ELM12HBv7 / ELM12HBi7 / ELM12HBv5 / ELM12HBi5 / ELM12HBi3 / ELM12HBC
 NUC 11 Compute Element (U-Series): CM11EBv716W / CM11EBi716W / CM11EBv58W / CM11EBi58W / CM11EBi38W / CM11EBC4W
 Intel® NUC Board Element (U-series) (Garden Beach):- CMB2GB



front USB 2.0 x 2	Antenna fitting hole	VESA mounting	Kensington lock	28W Thermal Design	2L Volume
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Newton NE3

Compact Fanless Case for Intel® NUC Garden Beach Board Element and Compute Element (U-Series)

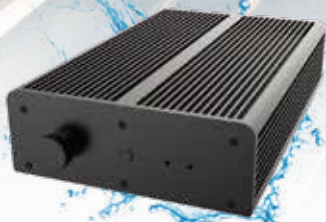
- Aluminium fanless CPU cooling design
- Dual HDMI support

product code: A-NUC73-M1B

Compatible with: the following Intel® NUC Board:
 NUC 12 Compute Element (U-Series) (Hard Bay)
 NUC 11 Compute Element (U-Series) (Elk Bay):- CM11EBv7 / CM11EBi7 / CM11EBi3 / CM11EBv5 / CM11EBi5 / CM11EBC4W
 NUC 11 Board Element (U-Series) (Garden Beach):- CMB2GB

Designed for

intel
NUC
element

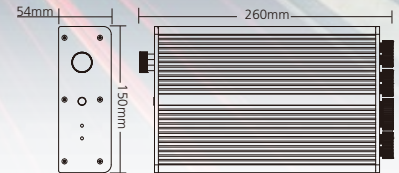


Pascal NE

IP65 Waterproof Fanless Case for Intel® NUC Butler Beach Board Element and Compute Element (U-Series)

- Aluminium fanless CPU cooling design

product code: A-NUC57-M1B

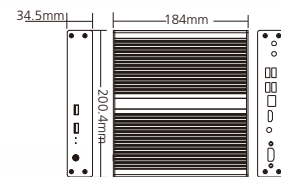


Plato NE

Slim Fanless Case for Intel® NUC Butler Beach Board Element and Compute Element (U-Series)

- Aluminium fanless CPU cooling design
- 1U low profile case design

product code: A-NUC59-M1B

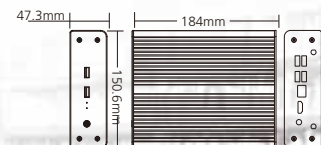


Newton NE

Compact 1.4L Fanless Case for Intel® NUC Butler Beach Board Element and Compute Element (U-Series)

- Aluminium fanless CPU cooling design

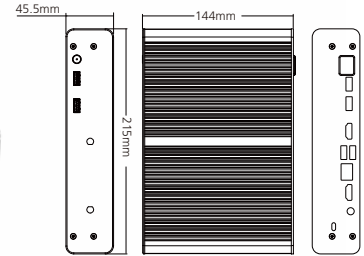
product code: A-NUC58-M1B



Compatible with: the following Intel® NUC Board:
 NUC 12 Compute Element (U-Series) (Hard Bay): Up to Celeron® at 15W TDP
 NUC 11 Compute Element (U-Series) (Elk Bay): Up to Celeron® at 15W TDP
 NUC 8 Compute Element (U-Series) (Chandler Bay):- CM8v7CB / CM8i7CB / CM8v5CB / CM8i5CB / CM8i3CB / CM8PCB / CM8CCB
 NUC 8 Board Element (U-Series) (Butler Bay):- CMB1BB

Designed for

intel
NUC
element



Aluminium Heatsink	VESA mounting	1.4L Volume
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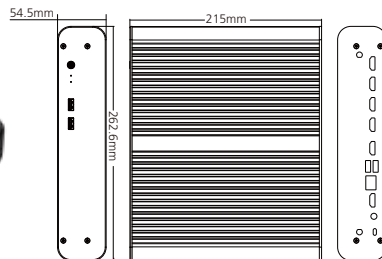
Edison EU1

Compact Fanless Case for Intel® NUC Austin Beach Dual LAN Board Element and Compute Elements (U-Series)

- Aluminium fanless CPU cooling design
- Premium and elegant aluminium fanless case

product code: A-NUC81-M1B

compatible with: the following Intel® models:-NUC Compute Element (U-Series) : Hard Bay (12th Gen) / Elk Bay (11th Gen) / Chandler Bay (8th Gen)
 NUC 11 Compute Element (U-Series): CM11EBC4W / CM8v7CB8N / CM8i7CB / CM8v5CB / CM8i5CB / CM8i3CB / CM8PCB / CM8CCB (Elk Bay)
 NUC 8 Compute Element (U-Series): CM8v7CB / CM8i7CB / CM8v5CB / CM8i5CB / CM8i3CB / CM8PCB / CM8CCB (Chandler Bay)
 NUC Rugged Board Element: CMB1ABA / CMB1ABB



Aluminium Heatsink	VESA mounting	3L Volume
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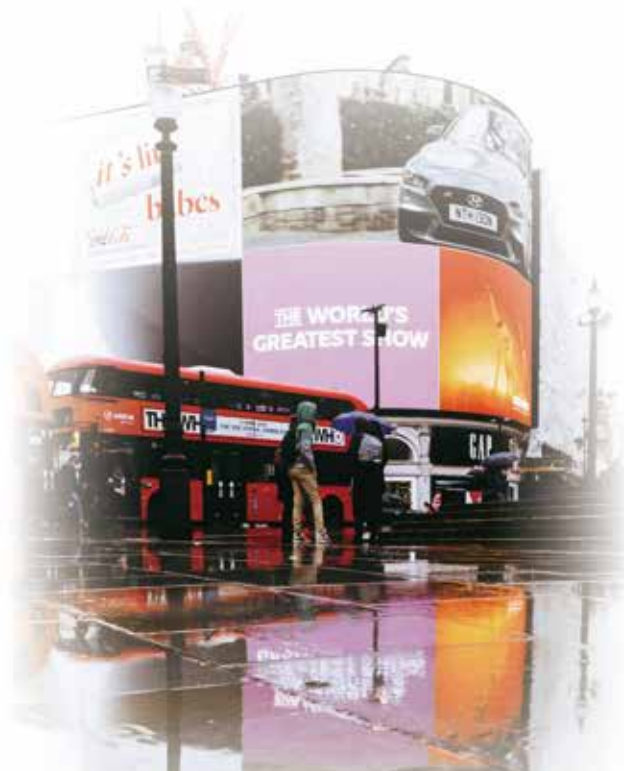
Edison EU2

Compact Fanless Case for Intel® NUC Austin Beach Multi HDMI Board Element and Compute Element (U-Series)

- Aluminium fanless Compute Element cooling design
- Premium and elegant aluminium fanless case

product code: A-NUC82-M1B

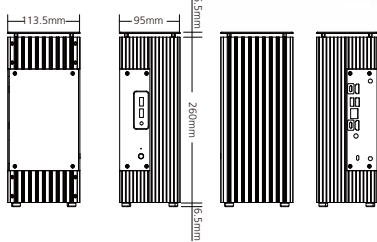
compatible with: the following Intel® models:-NUC Compute Element (U-Series) : Hard Bay (12th Gen) / Elk Bay (11th Gen) / Chandler Bay (8th Gen)
 NUC 11 Compute Element (U-Series): CM11EBC4W / CM8v7CB8N / CM8i7CB / CM8v5CB / CM8i5CB / CM8i3CB / CM8PCB / CM8CCB (Elk Bay)
 NUC 8 Compute Element (U-Series): CM8v7CB / CM8i7CB / CM8v5CB / CM8i5CB / CM8i3CB / CM8PCB / CM8CCB (Chandler Bay)
 NUC Rugged Board Element: CMB1ABC (Austin Beach- Multi HDMI)



Fanless Cases for NUC 13 Pro (Arena Canyon)

Intel NUC 4x4

Designed for

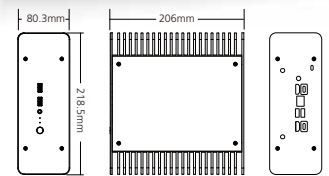


- front: USB Type-A
- support: 2.5" SATA HDD/SSD
- Kensington lock
- UCFF 4" X 4"
- Antenna fitting hole
- TWO HP
- Position: Horizontally or Vertically

Turing AC Pro Contemporary Fanless Case for Intel® NUC 13 Pro (Arena Canyon)

- Aluminium fanless CPU cooling design
- Stylish front cover with diamond edge effect

product code: A-NUC95-M1B



- front: USB Type-A
- support: 2.5" SATA HDD/SSD
- Kensington lock
- UCFF 4" X 4"
- Antenna fitting hole
- Two 8mm HP

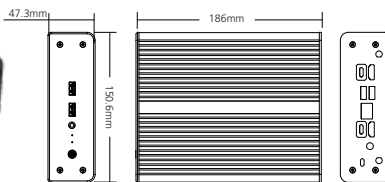
Maxwell AC Pro Premium Fanless Case for Intel® NUC 13 Pro (Arena Canyon)

- Solid aluminium fanless cooling design
- Stylish cover panels with diamond effect
- Perfect for home, business and commercial applications
- Lay it or hang it with optional VESA mount

product code: A-NUC94-M1B

Compatible with:

NUC13L5Bi3 / NUC13ANBi3 / NUC13ANHi3 / NUC13ANKi3 / NUC13L3Hi3 / NUC13L3Ki3 / NUC13ANKi30WC
 NUC13L5Bi5 / NUC13ANBi5 / NUC13L5Bi5 / NUC13ANHi5 / NUC13ANKi5 / NUC13L3Hi5 / NUC13L3Ki5 / NUC13ANKi50WC
 NUC13L5Bi7 / NUC13ANBi7 / NUC13ANHi7 / NUC13ANKi7 / NUC13L3Hi7 / NUC13L3Ki7 / NUC13ANKi70QC

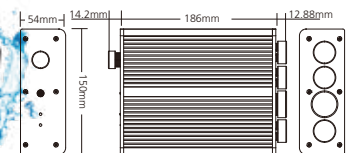


- front: USB Type-A
- support: 2.5" SATA HDD/SSD
- Kensington lock
- UCFF 4" X 4"
- Antenna fitting hole
- 1.3L Volume

Newton AC3 Compact Fanless Case for Intel® NUC 13 Pro Core™ i3 (Arena Canyon)

- Aluminium fanless CPU cooling design
- Support 2.5" SATA HDD/SSD
- Stylish front panel diamond effect

product code: A-NUC96-M1B



- IP65
- support: 2.5" SATA HDD/SSD
- UCFF 4" X 4"
- 1.7L Volume

Pascal AC3 Compact 1.7L IP65 Waterproof Fanless Case for Intel® NUC 13 Pro Core™ i3 (Arena Canyon)

- Aluminium fanless CPU cooling design
- Power adapter cable, USB 3.0, HDMI cable & network cable included (length: 2m)

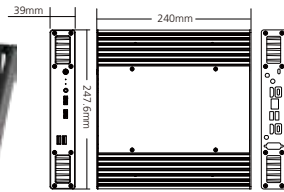
product code: A-NUC97-M1B

Compatible with:

NUC13L5Bi3 / NUC13ANBi3 / NUC13ANHi3 / NUC13ANKi3 / NUC13L3Hi3 / NUC13L3Ki3 / NUC13ANKi30WC

Designed for

intel
NUC

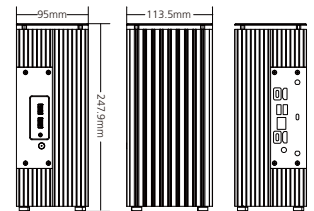


front USB 3.0 X2	front USB 2.0 X2	support 2.5" SATA HDD/SSD	support serial port	Antenna fitting hole	Kensington lock	UCFF 4" X 4"	VESA mounting
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Plato WS Slim Fanless Case for Intel® NUC 12 Pro (Wall Street Canyon)

- Aluminium fanless CPU cooling design
- Stylish front cover with diamond edge effect

product code: A-NUC85-M1B

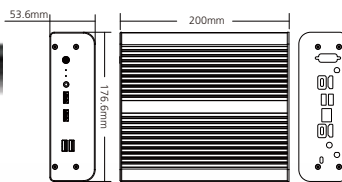


front USB Type-A	support 2.5" SATA HDD/SSD	Kensington lock	UCFF 4" X 4"	Antenna fitting hole
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Turing WS Contemporary Fanless Case for Intel® NUC 12 Pro (Wall Street Canyon)

- Aluminium fanless CPU cooling design
- Stylish front cover with diamond edge effect

product code: A-NUC87-M1B

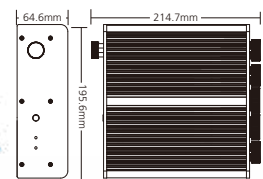


front USB 3.0 X2	front USB 2.0 X2	support 2.5" SATA HDD/SSD	support serial port	Antenna fitting hole	Kensington lock	UCFF 4" X 4"	VESA mounting
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Newton WS Compact Fanless Case for Intel® NUC 12 Pro (Wall Street Canyon)

- Aluminium fanless CPU cooling design
- Stylish top cover with diamond effect

product code: A-NUC92-M1B



IP65	support 2.5" SATA HDD/SSD	UCFF 4" X 4"
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Pascal TN IP65 Fanless Case for Harsh Environments for Intel NUC 12 Pro (Wall Street Canyon)

- Aluminium fanless CPU cooling design
- Power adapter cable, USB3.0 or USB2.0 cable, HDMI cable and network cable included (length: 2m)

product code: A-NUC67-A1B / A-NUC67-M1B

Compatible with:

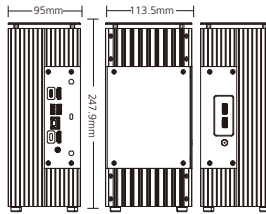
NUC12WSHv7 / NUC12WSKv7 / NUC12WSHv70Z / NUC12WSKv70Z / NUC12WSHv7 / NUC12WSKv7 / NUC12WSHv70Z / NUC12WSKv70Z / NUC12WSBv7 / NUC12WSBv7
 NUC12WSHv5 / NUC12WSKv5 / NUC12WSHv50Z / NUC12WSKv50Z / NUC12WSHv5 / NUC12WSKv5 / NUC12WSHv50Z / NUC12WSKv50Z / NUC12WSBv5 / NUC12WSBv5
 NUC12WSHv3 / NUC12WSKv3 / NUC12WSHv30Z / NUC12WSKv30Z / NUC12WSBv3

Fanless Cases for NUC 11 Pro (Tiger Canyon)

Intel NUC 4x4

Designed for

intel
NUC

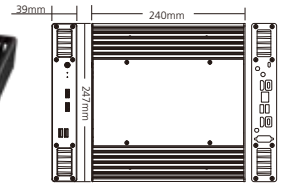


- front USB Type-A
- support 2.5" SATA HDD/SSD
- Kensington lock
- UCFF 4" X 4"
- Antenna fitting hole

Turing TN Compact fanless case for Intel® NUC 11 Pro (Tiger Canyon)

- Aluminium fanless CPU cooling design
- Stylish top cover with diamond effect

product code: A-NUC68-M1B

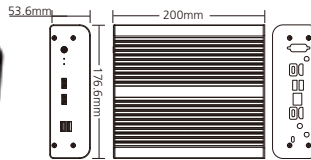


- front USB 3.0 X2
- front USB 2.0 X2
- support 2.5" SATA HDD/SSD
- support serial port
- Antenna fitting hole
- Kensington lock
- UCFF 4" X 4"
- VESA mounting

Plato TN Low Profile Fanless Case for Intel® NUC 11 Pro (Tiger Canyon)

- Aluminium fanless CPU cooling design
- Stylish top cover with diamond effect

product code: A-NUC65-M1B

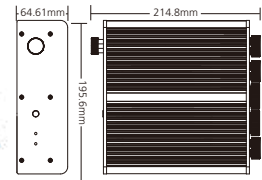


- front USB 3.0 X2
- front USB 2.0 X2
- support 2.5" SATA HDD/SSD
- support serial port
- Antenna fitting hole
- Kensington lock
- UCFF 4" X 4"
- VESA mounting

Newton TN Small-Footprint Fanless Case for Intel® NUC 11 Pro (Tiger Canyon)

- Aluminium fanless CPU cooling design
- Stylish top cover with diamond effect

product code: A-NUC63-M1B



- IP65
- support 2.5" SATA HDD/SSD
- UCFF 4" X 4"

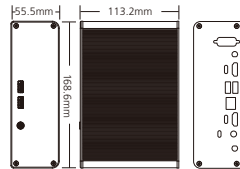
Pascal TN IP65 Fanless Case for Harsh Environments for Intel® NUC 11 Pro (Tiger Canyon)

- Aluminium fanless CPU cooling design
- Power adapter cable, USB3.0 or USB2.0 cable, HDMI cable and network cable included (length: 2m)

product code: A-NUC67-M1B

Compatible with : the following Intel® NUC Board:

NUC11TNi3/i5/v5/i7/v7 Board/Kit/NUC11TNKi3 / NUC11TNHi3 / NUC11TNB3/NUC11TNKi5 / NUC11TNHi5 / NUC11TNB5/NUC11TNKv5 / NUC11TNHv5 / NUC11TNBv5/NUC11TNKi7 / NUC11TNHi7 / NUC11TNB7/NUC11TNKv7 / NUC11TNHv7 / NUC11TNBv7

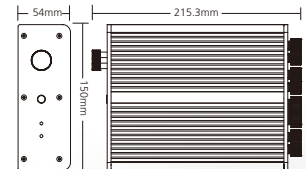


- front USB 2.0 X2
- support serial port
- Antenna fitting hole
- 1.06L Volume
- Kensington lock
- UCFF 4" X 4"
- VESA mounting

Newton CTN Compact Fanless Case for Intel® NUC 11 Pro (Tiger Canyon) Core™ i3

- Aluminium fanless CPU cooling design
- Stylish front panel with diamond effect

product code: A-NUC75-M1B



- IP65
- support 2.5" SATA HDD/SSD
- UCFF 4" X 4"
- 1.7L Volume

Pascal CTN IP65 Fanless Case for Harsh Environments for Intel® NUC 11 Pro (Tiger Canyon) Core™ i3

- Aluminium fanless CPU cooling design
- Power adapter cable, USB3.0 or USB2.0 cable, HDMI cable and network cable included (length: 2m)

product code: A-NUC70-M1B

Compatible with : the following Intel® NUC Board:

NUC11TNi3 Board/Kit capped at 16W TDP / NUC11TNKi3 / NUC11TNHi3 / NUC11TNB3

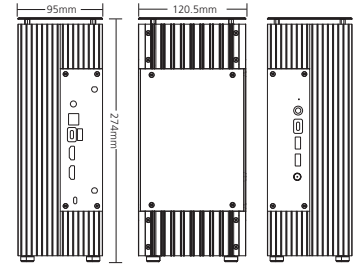


Turing A53 Pro

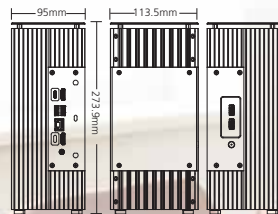
Contemporary fanless case for ASUS® PN53 with AMD Ryzen™ 7000 and 6000 H series processors and Radeon™ Graphics

- Solid aluminium fanless cooling design
- Stylish cover panels with diamond effect
- Positioned vertically or horizontally
- Perfect for home, business and commercial applications
- Suitable for up to Ryzen™ 7000 H-Series
- Dual 6mm copper heatpipes for effective heat transfer

product code: A-NUC99-M1B



support 2.5" SATA HDD/SSD	UCFF 4" X 4"	Contemporary Design	Experience Zero Noise	Low Power Capable	TWO HP	Position Horizontally or Vertically
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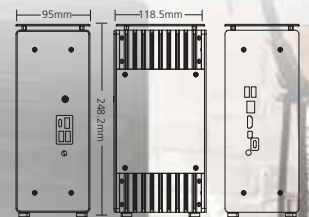
support 2.5" SATA HDD/SSD	UCFF 4" X 4"	Contemporary Design	Experience Zero Noise	Low Power Capable
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Turing A50 MKII

Contemporary & compact fanless case for ASUS® PN51/50 Mainboards featuring 5000 Series AMD Ryzen™ Processors and Radeon™ Vega 7 Graphics

- Solid aluminium fanless APU and VRM cooling design
- Stylish cover panels with diamond effect
- Positioned vertically or horizontally
- Perfect for home, business and commercial applications
- Suitable for up to Ryzen™ 7 4800U

product code: A-NUC62-M1BV2



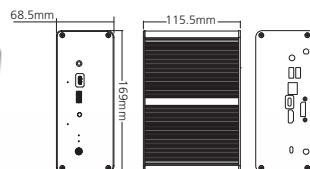
support 2.5" SATA HDD/SSD	UCFF 4" X 4"	Contemporary Design	Experience Zero Noise	Low Power Capable
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Turing ABX

Compact Fanless Case for Gigabyte BRIX Mainboards featuring 4000 Series AMD Ryzen™ Processors and Radeon™ Graphics

- Solid aluminium fanless APU and VRM cooling design
- Stylish cover panels with diamond effect
- Positioned vertically or horizontally
- Perfect for home, business and commercial applications
- Suitable for up to Ryzen™ 7 4800U

product code: A-NUC76-M1B



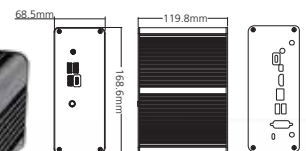
front USB Type-C	DP support	Antenna fitting hole	1.3L Volume	Kensington lock	UCFF 4" X 4"	VESA mounting
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Newton A50

Ultra compact fanless case for ASUS® PN51 Mainboards featuring 5000 Series AMD Ryzen™ Processors and Radeon™ Vega 7 Graphics

- Aluminium fanless CPU cooling design
- Stylish front panel with diamond effect

product code: A-NUC78-M1B



front USB Type-C	front USB Ports X3	Antenna fitting hole	1.4L Volume	Kensington lock	UCFF 4" X 4"	VESA mounting
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Newton ABX

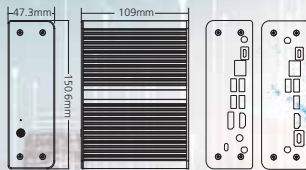
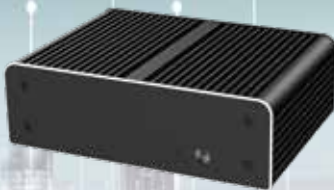
Ultra compact fanless case for Gigabyte BRIX mainboards featuring 4000 Series AMD Ryzen™ Processors and Radeon™ Graphics

- Aluminium fanless CPU cooling design
- Stylish front panel with diamond effect

product code: A-NUC79-M1B

NVIDIA® Jetson Nano™ Developer Kit

The power of modern AI for makers and embedded developers.

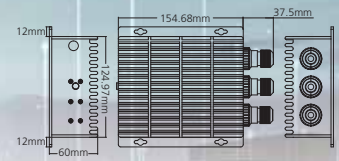


- Premium Aluminium
- Compact 0.8L
- Easy Installation
- Antenna fitting hole
- Kensington lock

Machina N Contemporary styled aluminium fanless case for NVIDIA® Jetson Xavier NX™ & Nano™ Developer Kits

- Extremely compact and robust
- Easy access to ports

product code: A-NVD01-M1B

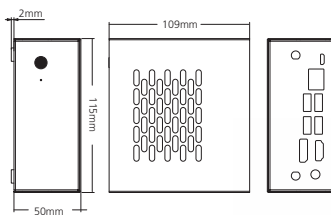


- Premium Aluminium
- Compact 0.95L
- Easy Installation
- Wi-Fi Window

Pascal N IP65 rated fanless case for NVIDIA® Jetson Xavier NX™ & Nano™ Developer Kits

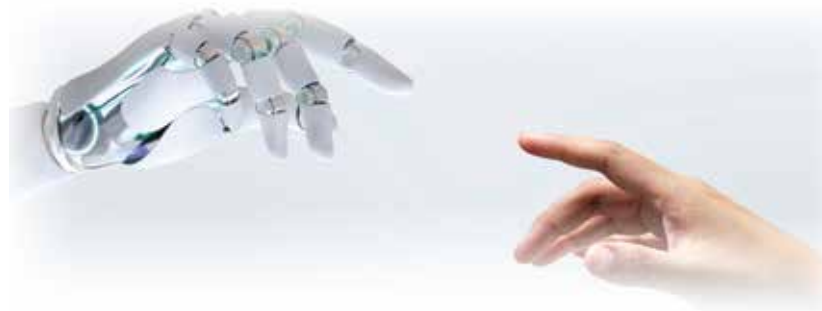
- Extremely compact and robust
- Waterproof LAN, USB and Power cables included

product code: A-NVD02-M1B



Cypher N Value Contemporary Active Case for NVIDIA® Jetson Nano™ Developer Kit

product code: A-NVD03-M1B





Skyline PRO Striking Aluminium Fanless Case for ASUS Tinker Board 2 and 2S

- Black anodised case with skyline-like design on top
- Custom aluminium core and thermal pads silently cools the board
- Access to an array of connectors and headers

product code: A-RA11-M3B

Pi-3 Aluminium Fanless Case for ASUS Tinker Board and Tinker Board S

- Black anodised case
- Custom aluminium core and thermal pads silently cools the board
- Concealed SD card and GPIO for commercial system production

product code: A-RA05-M1B

ACCESSORIES



DIN Rail Cover for Akasa Maker Board Cases

- Mount Akasa Maker Board Cases to DIN rail
- Expanding their range of applications to industrial control or multiple cases installation.



VESA Mounting Cover for Akasa Maker Board Cases

- Mount Akasa Maker Board cases to the back of most displays or monitors supporting 100 x 100mm VESA mounting



Wall Mounting Kit for Akasa Maker Board Case

- Mounting brackets allows Akasa Maker Board Cases to be mounted on the wall

Fanless Cases for Raspberry Pi 4

Pi 4



Maze Pro

Striking Aluminium Fanless Case with Power Button and Thermal Kit

- Black anodised case with striking maze design on top
- Embedded dual aluminium core silently cools the Raspberry Pi 4
- Convenient reprogrammable power button
- Full I/O opening support including GPIO cover and SD card slot

product code: A-RA10-M1B / A-RA10-M2B



Gem Pro

Contemporary Aluminium Fanless Case with Thermal Kit

- Silver case with striking gem-like design on top
- Customised thermal kit with heatsink top cover conducts heat away GPU and USB 3.0 chipset.
- Full I/O support including GPIO, microSD, Ethernet, USB, camera and display connectors

product code: A-RA09-M2S

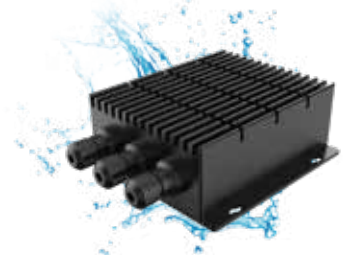


Pi-4 Pro

Aluminium Fanless case with Thermal Kit

- Top cover heatsink design
- Customised thermal kit with heatsink top cover conducts heat away GPU and USB 3.0 chipset.
- Full I/O support including GPIO, microSD, Ethernet, USB, camera and display connectors

product code: A-RA08-M2B



Pascal Pi

Premium IP65 Forged Fanless Case with Connectors

- Custom thermal kit with finned shell to conduct heat away from the key hot zones
- IP65 connectors and cables

product code: A-RA12-M1B

OEM / ODM - Expandable Raspberry Pi Case Solutions

Aluminium fanless CPU die cooling design
Space for additional Pi HAT / daughter boards / 2.5" HDD
Optional DIN rail or VESA mounting

dimension: 36.0 x 165.0 x 101.5 mm
product code: PR-EC607



dimension: 91.6 x 61.1 x 14.4 mm
product code: A-ITC050-M1B



Fanless Cases for Thin Mini-ITX (Intel LGA1700)

(Thin)
Mini-ITX



- front USB 3.0 X2
- front USB 2.0 X2
- support 2.5" SATA HDD/SSD X2
- kensington lock
- Heatpipe
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- support serial port

Galileo T Plus Slim fanless Thin Mini-ITX case

- Aluminium fanless CPU cooling design
- Ideal for business and education environments
- Stylish front panel diamond edge finish
- Two bays for 2.5" SATA HDD/SSD
- Support one serial port
- Backwards compatible with LGA1200 & 115X

product code: A-ITX50-M1B

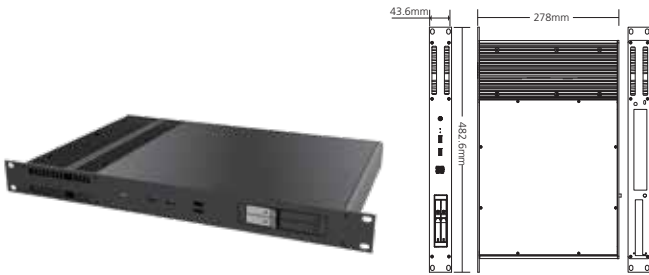


- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- 2.5" SATA mobile tray X2
- Heatpipe
- Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo TU Plus 1U Fanless Thin mini-ITX case

- Aluminium fanless CPU cooling design
- Support for CPU's up to 35W TDP
- Two internal 2.5" HDD / SSD bay
- Backwards compatible with LGA1200 & 115X
- Two bay 2.5" SATA mobile tray
- Support one PCI-E slot (8X)
- Optional rackmount front panel

product code: A-ITX51-M1B



- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- 2.5" SATA mobile tray X2
- Heatpipe
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo TU1 Plus 1U fanless Thin Mini-ITX case

- 1U rackmount fanless Thin Mini-ITX case
- Aluminium fanless CPU cooling design
- Two internal 2.5" HDD / SSD bay
- Two bay 2.5" SATA mobile tray
- Support one PCI-E slot (8X)
- Backwards compatible with LGA1200 & 115X

product code: A-ITX52-M1B



- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- Heatpipe
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo TU2 Plus 1U Fanless Thin mini-ITX case

- 1U high fanless Thin Mini-ITX case
- Aluminium fanless CPU cooling design
- Four internal 2.5" HDD / SSD bay
- Support one PCI-E slot (8X)
- Backwards compatible with LGA1200 & 115X

product code: A-ITX53-M1B



- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- Heatpipe
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo TU3 Plus 1U fanless Thin Mini-ITX case

- 1U rackmount fanless Thin Mini-ITX case
- Aluminium fanless CPU cooling design
- Four internal 2.5" HDD / SSD bay
- Support one PCI-E slot (8X)
- Backwards compatible with LGA1200 & 115X

product code: A-ITX54-M1B



- front USB 2.0 X4
- support 2.5" SATA HDD/SSD
- kensington lock
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- support serial port

Euler TX Plus Small Footprint Thin Mini-ITX case

- Aluminium fanless CPU cooling design
- Ideal for business and education environments

product code: A-ITX49-M1B



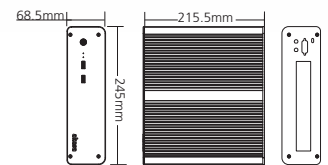
Euler T Plus



Fanless Thin Mini-ITX Case for Intel® LGA1700

- Premium aluminium fanless CPU cooling design
- Supports one serial port
- Ideal for business and education environments
- Optional 120W, 19V external power adapter
- Suitable for VESA mounting

product code: A-ITX57-M1B



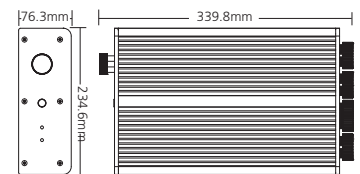
Pascal TX Plus



IP65 waterproof Fanless Case with Modular Connectors for Intel® Thin Mini-ITX LGA1700

- Premium aluminium fanless CPU cooling design
- Modular connectors provide better waterproof and easy installation.
- Included 2m cables: Power adapter, USB 3.0, HDMI, & Network cables
- Suitable for VESA mounting

product code: A-ITX58-M1B



Active Cases for Thin Mini-ITX

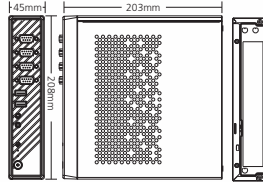
(Thin)
Mini-ITX

Compact Thin Mini-ITX Case with Four USB/Serial Ports

- Active thin mini-ITX case
- Ultra compact, less than 2L volume
- 4 front-facing serial port openings and 2 USB 2.0 ports (A-ITX39-M1B)
- 2 front-facing USB 3.0 ports and 2 USB 2.0 ports (A-ITX38-M1B)
- VESA mountable
- Top and side vents for maximum airflow
- Constructed using sturdy 0.8mm SGCC steel

Cypher SPX

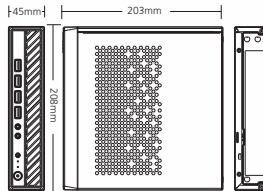
product code: A-ITX39-M1B



front USB 2.0 x 2	support 2.5" SATA HDD/SSD	support Audio Jacks	Thin Mini-ITX 6.7" X 6.7"
support serial port X4	VESA mounting	Intel® LGA1700 Support	12th/11th Gen SoC Support

Cypher MX3

product code: A-ITX38-M1B



front USB 3.0 x 2	front USB 2.0 x 2	support 2.5" SATA HDD/SSD	support Audio Jacks	Thin Mini-ITX 6.7" X 6.7"
VESA mounting	Antenna fitting hole	Intel® LGA1700 Support	12th/11th Gen SoC Support	



Compatible Low Profile CPU Coolers



- Lo-profile CPU cooling at 26mm height
- Embedded 75mm PWM fan with long life Enter bearing
- New and easy mounting design
- Multi-directional fins and larger core for maximum system cooling
- Designed for low-powered T-series processors up to 35W TDP

product code: AK-CC6601EP01



- Ultra lo-profile CPU cooling at 22mm height
- Embedded 75mm PWM fan with long life Enter bearing
- Secured mounting with metal screw and backplate
- Multi-directional fins and larger core for maximum system cooling
- Designed for low-powered T-series processors up to 35W TDP

product code: AK-CC6609EP01

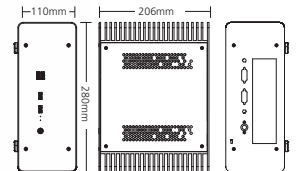


Maxwell Pro Plus Fanless Mini-ITX case

- Blending advanced passive cooling engineering and modern design to create a premium, silent and compact case for Mini-ITX boards.

- Supports Intel® and AMD boards with common desktop processors up to 65W TDP.
- The perfect choice for gaming, HTPCs & audiophile environments.

product code: A-ITX48-M2B



front USB 3.0 X2	front USB 2.0 X2	supports 2.5" SATA HDD/SSD X2	supports serial port X2	Antenna fitting hole	Optional DC to DC adapter	Mini-ITX 6.7" X 6.7"	Intel® LGA1700 Support	AMD AM5 Support
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Euler M

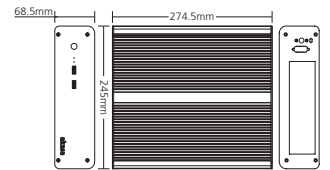
- Aluminium fanless CPU cooling design
- Stylish front panel diamond edge finish
- Optional 80W external power adapter

Fanless Mini-ITX case for Industrial-Series motherboards

Supported Industrial Motherboards

- Kontron D3633-S
- Kontron D3634-S
- Asrock IMB-1220-D
- Asrock IMB-1220-L
- Asrock IMB-1225

product code: A-ITX19-M1BV2



front USB 3.0 X2	2.5" SATA HDD/SSD X2	Mini-ITX 6.7" X 6.7"	VESA mounting	DC to DC adapter
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Euler MX Plus

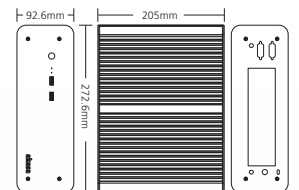
- Aluminium fanless CPU cooling design
- Stylish front panel diamond edge finish
- Optional 80W external power adapter

Fanless Case with Support for Intel® Consumer and Industrial Mini-ITX Boards

Supported consumer & industrial motherboards

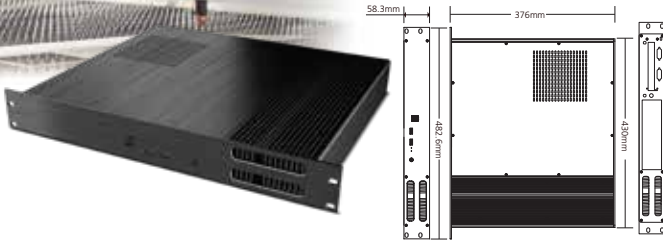
- ASUS Prime H610I-Plus D4
- Gigabyte H610I DDR4
- Asrock H610M-ITX/AC
- Kontron K3833-Q1
- Asrock IMB-1231

product code: A-ITX56-M1B



front USB 3.0 X2	support 2.5" SATA HDD/SSD X2	kensington lock	Mini-ITX 6.7" X 6.7"	support serial port	VESA mounting
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- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- Heatpipe
- Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo MU3 1.5U Rackmount fanless Mini-ITX case

- 1.5U rackmount chassis
- Aluminium fanless CPU cooling design
- Four internal 2.5" HDD/SSD bay
- Support one PCI-E slot (16X)
- Optional DC to DC internal power adapter
- Optional pico power adapter
- Optional 120W external power adapter

product code: A-ITX33-M1B

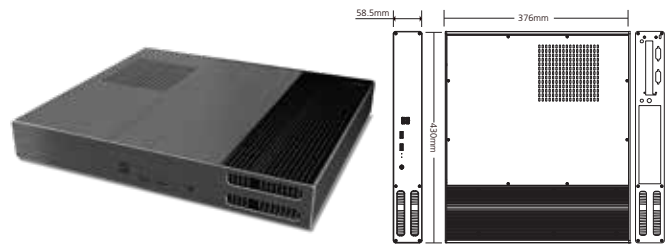


- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- Heatpipe
- Thin Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo MU1 1.5U Rackmount fanless Mini-ITX case

- 1.5U rackmount chassis
- Aluminium fanless CPU cooling design
- Two internal 2.5" HDD/SSD bay
- Two bay 2.5" SATA mobile tray
- Support one PCI-E slot (16X)
- Optional DC to DC internal power adapter
- Optional pico power adapter
- Optional 120W external power adapter

product code: A-ITX31-M1B

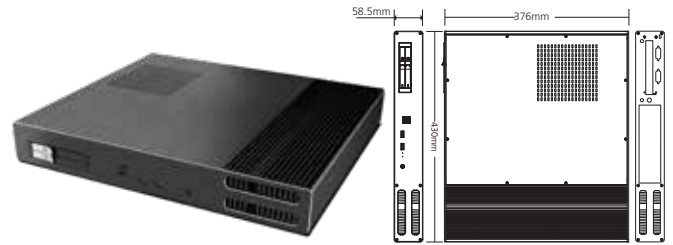


- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- Heatpipe
- Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo MU2 1.5U fanless Mini-ITX case

- Aluminium fanless CPU cooling design
- Four internal 2.5" HDD/SSD bay
- Support one PCI-E slot (16X)
- Optional DC to DC internal power adapter
- Optional pico power adapter
- Optional 120W external power adapter

product code: A-ITX32-M1B



- front USB 3.0 X2
- front USB 2.0 X2
- PCI-E slot
- 2.5" SATA mobile tray X2
- Heatpipe
- Mini-ITX 6.7" X 6.7"
- VESA mounting
- Antenna fitting hole
- kensington lock

Galileo MU 1.5U fanless Mini-ITX case

- Aluminium fanless CPU cooling design
- Two internal 2.5" HDD/SSD bay
- Two bay 2.5" SATA mobile tray
- Support one PCI-E slot (16X)
- Optional DC to DC internal power adapter
- Optional pico power adapter
- Optional 120W external power adapter

product code: A-ITX30-M1B



Designed for
intel
NUC
 element

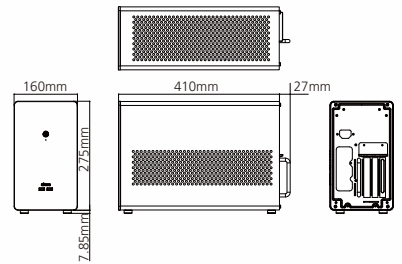


Cypher X13L Premium Aluminium Case for Intel® NUC 13 Extreme Compute Element-H

- Hi-performance integrated 240mm liquid cooler for the Element-H processor
- Monstrous room for the NVIDIA 30-series

product code: A-NUC90-M1B

support 3.9-Slot	support 350mm Length GPU	18L Volume	Premium All-Aluminium Body	240 Liquid Cooling
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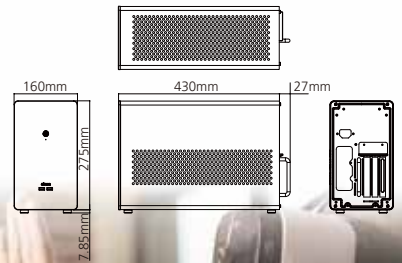


Cypher X13 Premium Aluminium Case for Intel® NUC 13 Extreme Compute Element-H

- Designed for the compute element with stock cooler
- Colossal space for the NVIDIA 30-series

product code: A-NUC90-M2B

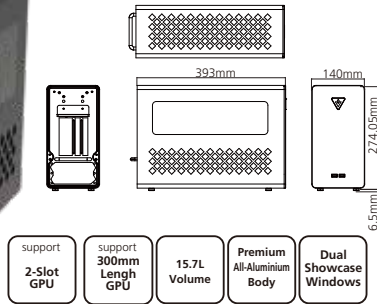
support 3.9-Slot	support 350mm Length GPU	18L Volume	Premium All-Aluminium Body
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Compatible with:
 NUC 13 Extreme (Shrike Bay): NUC13SBBi9 / NUC13SBBi9F / NUC13SBBi7 / NUC13SBBi7F / NUC13SBBi5 / NUC13SBBi5F
 Board Element: NUCBB13

Designed for

intel
nuc
element

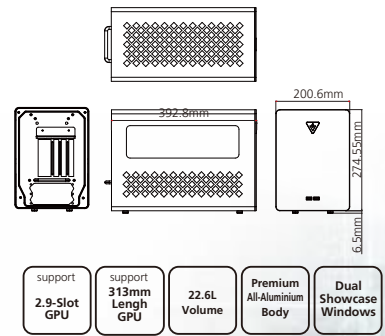


Cypher QX

Premium Aluminium Cases for Intel® NUC 12/11/9 Compute Element (H-Series)

- Huge room for full-size dual-slot discrete graphics card

product code: A-NUC69-M1B



Cypher HDB

Premium Aluminium Cases for Intel® NUC 12/11/9 Compute Element (H-Series)

- Massive room for full-size 2.9-slot discrete graphics card

product code: A-NUC77-A1B

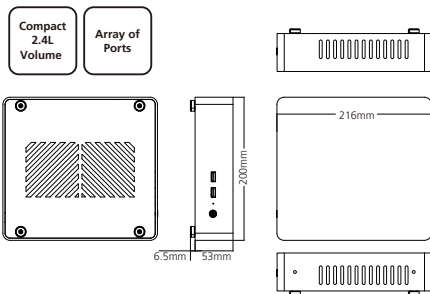
Compatible with:
 NUC 12 Extreme (Eden Bay)
 NUC 11 Extreme (Driver Bay): NUC11DBBi5 / NUC11DBBi7 / NUC11DBBi9
 NUC 9 Extreme (Ghost Canyon): NUC9i9QNB / NUC9i7QNB / NUC9i5QNB

NUC 9 Pro (Quartz Canyon): NUC9VXQNB / NUC9V7QNB
 Board Element (West Cove): BBWC1B1
 Board Element (Monster Cove): BKBBMC1B1

Cypher EB

Elegant building block for a powerful workstation and stunningly compact chassis for the NUC 12 Extreme Eden Bay Compute Element

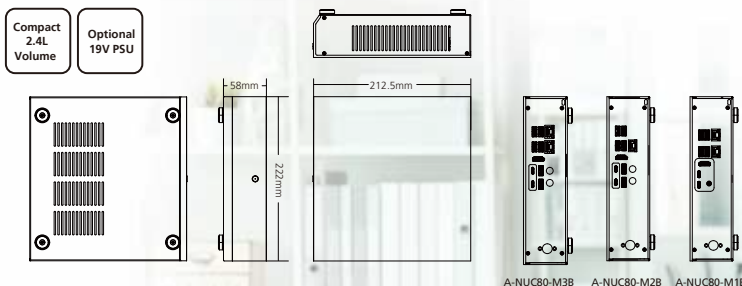
product code: A-NUC84-M1B



Cypher H

Elegant building block for a powerful workstation and stunningly compact chassis for the NUC Extreme 12/11/9 and Pro 9 Compute Elements

product code: A-NUC80-M3B, A-NUC80-M2B, A-NUC80-M1B



Compatible with:
 NUC 12 Extreme (Eden Bay)
 NUC 11 Extreme (Driver Bay): NUC11DBBi5 / NUC11DBBi7 / NUC11DBBi9
 NUC 9 Extreme (Ghost Canyon): NUC9i9QNB / NUC9i7QNB / NUC9i5QNB
 NUC 9 Pro (Quartz Canyon): NUC9VXQNB / NUC9V7QNB

Active Case - OEM / ODM Solutions

- Custom IPC case manufactured by NCT
- Optional fan, guards and mobile rack included
- Requires lower MOQ



Medical Chassis Solutions

- Scalable medical coating
- Customisable for NUC and Thin Mini-ITX



Heat Sinks, Heat Spreaders and Closed-Looped Coolers

General Purpose Custom Heat Sinks



Features

- Highly optimised cooling from highly density copper fins offered by skived fin manufacturing
- Optimised and value cooling offered by extruded heat sink profiles
- OEM/ODM service available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium, Copper
- Profile : Square, Round, Rectangular, Customisable
- Manufacturing : Skived Fin, Extrusion Heat Sink

LED Custom Heat Sinks



Features

- Round pins minimise resistance to incoming air streams
- Omni-directional pins as incoming air streams can enter from all directions
- Standard and OEM/ODM tooling available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium
- Profile : Square, Round, Rectangular
- Manufacturing : Cold forging

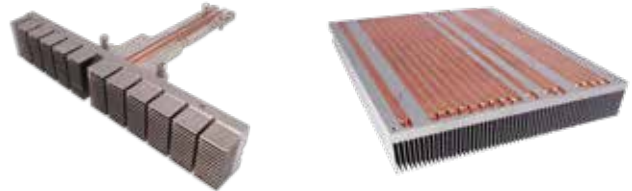
High-Powered Custom Heat Spreaders

Features

- Embedded copper heat pipes into a heat sink so that heat is spread uniformly
- Standard and OEM/ODM service available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium, Copper
- Manufacturing : CNC-Machined Heat Sink, Skived Fin, Welding



Ultra-High Performance Cooler



Features

- Aluminium closed-loop Thermosyphone heat sink with refrigerant liquid offering ultra high performance capability
- Smart PWM fan ensures the exchange of air between the cooling fins
- Standard and OEM/ODM service available for specific application and requirements

Specification

- Dimensions : Customisable
- Material : Aluminium, Nickel
- Manufacturing Technology : Brazing, Vacuum, Charging



Power Adapters for Compact Cases



120W, 19V Mini-ITX AC-to-DC Power Adapter

- Max output 120W
- Fanless design
- 7.4mm / 5.0mm barrel power jack
- Single 19V rail 6.32A
- Product Code: AK-PD120-03M



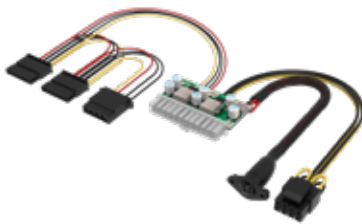
90W or 120W, 19V NUC and Mini-ITX AC-to-DC Power Adapter

- Max output 90W/120W
- Fanless design
- 5.5mm / 2.5mm barrel power jack
- Single 19V rail
- Product Code:
AK-PD090-01M (90W model)
AK-PD120-04M (120W model)



150W, 12V Mini-ITX AC-to-DC Power Adapter with 4P Power DIN

- Maximum output 150W
- Fanless design
- High efficiency
- 4-pin male DIN connector
- Single 12V rail 12.5A
- Product Code: AK-PD150-02K



300W DC-to-DC ATX Adapter with 4-pin Power DIN

- Compact design supports Small Form Factor chassis
- Directly plug into ATX 24-pin connector
- High efficient power transfer
- Over power and over voltage protection
- Product Code: AK-PE300-01



84W, 12V Mini-ITX AC-to-DC Power Adapter

- Max output 84W
- Fanless design
- 5.5mm / 2.5mm barrel plug
- Single 12V rail 7A
- Product Code: AK-PD080-02M



80W DC-to-DC ATX Adapter

- Compact design supports Small Form Factor chassis
- Directly plug into ATX 24-pin connector
- High efficient power transfer
- Over power and over voltage protection
- Product Code: AK-PE080-03

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Printed in May 2023 V1