



CAMDENBOSS®
CONNECT. ENCLOSE. INNOVATE.

1500 SERIES

UNIVERSAL SMART ENCLOSURE



USE

IT

YOUR

WAY



PRODUCT SUMMARY

Designed with engineers, installers and end users needs as paramount, our innovative and knowledgeable design team have developed a truly versatile enclosure. Its customer and industry driven features provide solutions for the future of smart control systems, sensor electronics and entry devices. The unique design allows it to be mounted directly to corners using the well-developed surface mount bracket, even if the walls are misaligned!

Order your sample today to see for yourself!



KEY FEATURES

- Engineered, designed and styled for today's market
- Multi-faceted design provides complete flexibility
- Multiple PCB mounting options
- PCB pillars designed to accommodate Raspberry Pi board
- Available in vented and non-vented versions
- Single lid screw for easy and quick assembly
- Premium quality with a modern appearance
- UK manufactured

PART NO.	STYLE	COLOUR
CB1500-10VWH	Vented	White
CB1500-10SWH	Solid	White
CB1500-10VBK	Vented	Black
CB1500-10SBK	Solid	Black
CB1500-10VGY	Vented	Grey
CB1500-10SGY	Solid	Grey

ENCLOSURE CONTAINS	QUANTITY
Base	x 1
Lid	x 1
Lid screw	x 1 M3 x 10 CSK pozi

SPECIFICATION TABLE

Material	Base	UL94-V0 ABS	
	Lid	UL94-V0 ABS/ brass M3 insert	
	Wall mount bracket	UL94-V0 ABS	
	Wall mount lugs	UL94-V0 ABS	
	All screws/ nuts	BZP (bright zinc plated steel)	
Colours available	White Black Grey	Similar to RAL9003 Similar to RAL9005 Similar to RAL7047	
IP rating	Vented	IP30	
	Solid	IP40	
Operating temperature	-10°C to + 80°C		
Screw torque	Self tapping (security and mounting lug)	0.2Nm	Max insertions = 2
	M3 (lid and mounting lug)	0.5Nm	Max insertions >1000

INTRODUCING THE 45° BRACKET

OUR MOST INNOVATIVE CREATION TO DATE!



FEATURES

- Mount to room corners with ease
- Achieve a 45° mounting angle on any surface
- Simple slide and lock mechanism
- In built cable entry point
- Security screw hole for increased protection against theft

USE IT YOUR WAY



1500 SERIES KIT

The 1500 series kit contains everything required to mount the enclosure in your preferred orientation.

Offered in three standard colours: white, grey and black.

Available as a vented or solid housing.

PART NO.	STYLE	COLOUR
CB1500-10VWH-KIT	Vented	White
CB1500-10SWH-KIT	Solid	White
CB1500-10VBK-KIT	Vented	Black
CB1500-10SBK-KIT	Solid	Black
CB1500-10VGY-KIT	Vented	Grey
CB1500-10SGY-KIT	Solid	Grey



KIT CONTAINS	DESCRIPTION	QTY
Base		1
Lid		1
Lid screw	M3 x 10 CSK pozi	1
45° wall mount bracket		1
Wall mount lugs		2
Lug screws (self tapping)	No4 x 3/8" pan pozi self tapping	2
Lug screws (M3)	M3 x 10 CSK Pozi	2
Lug nuts	M3 full nut	2
Wall mount security screw	2.9 x 16 pan pozi self tapping	1

MOUNTING OPTIONS FOR THE 1500 SERIES

MOUNTING OPTIONS INCLUDE, BUT ARE NOT LIMITED TO:

- Corner mounting (ceiling to wall / wall to wall)
- Irregular walls or corners
- 45° angled up / down / left / right
- Mounted flat to a wall or surface
- Desk mounted at 45°



**WE'VE FOUND 40 WAYS TO USE IT,
HOW MANY CAN YOU FIND?**

BROWSE THE 1500 SERIES RANGE
WWW.CAMDENBOSS.COM/1500-SERIES



OUR SLEEK AND REFINED 1500 SERIES
ENGINEERED EXCELLENCE IN AN ENCLOSURE

DISCOVER OUR FULL RANGE OF ENCLOSURES

From our X Series range of heavy duty enclosures, to our tool free enclosure solutions, we offer a wide selection of quality products designed for today's evolving market. Visit www.camdenboss.com/camdenboss-enclosure-range to find out more.



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Easy Assembly Electronics Enclosures by CamdenBoss

Our range of modern, robust and high quality Easy Assembly Electronics Enclosures are moulded from ABS UL94 V0 material and available in four sizes and three colours.

The enclosures benefit from a large unobstructed PCB footprint (allowing for edge-to-edge components) and have a range of features designed to save you money by reducing assembly time, because life is too short!



The modern look, textured finish and smooth internal walls mean that the Easy Assembly Electronics Enclosure is easily customisable on all sides. We can create machine cutouts, digital print or even engrave them.



Maintenance is quick and easy, thanks to the dual action lid, held in place by either a push-button clip for super-fast assembly or a single screw for added security. Both provide quicker assembly over conventional lids.

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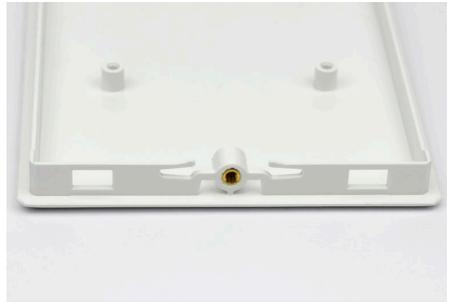
The PCB is supported around the perimeter of the base by card edge supports. Size 3 & 4 also have four half board central supports (which can be removed to make way for solder points on the bottom of your PCB).



Multiple PCB mounting points in the base and lid (sizes 1 & 2 have two mounting points in the lid and four in the base, sizes 3 and 4 have four mounting points in the lid and base), with minimal screws required.



No internal corner pillars, alleviates the need for unnecessarily oversized enclosures and creates a large unobstructed PCB footprint for rectangular PCBs in the base and lid.



The unique spring feature located at either end of the lid, can hold your PCB securely in place without the need for screws, greatly reducing the assembly time.



The size 1 PCB mounts in the lid fit the Raspberry Pi Zero and sizes 3 & 4 PCB mounts in lid fit the Raspberry Pi 3/4.



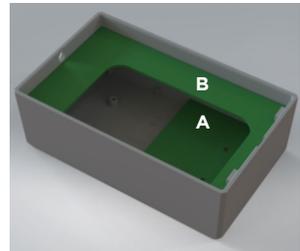
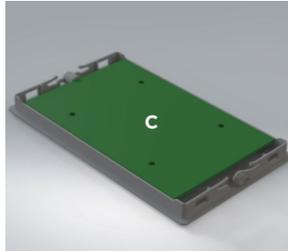
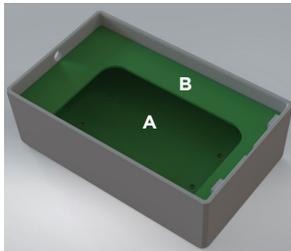
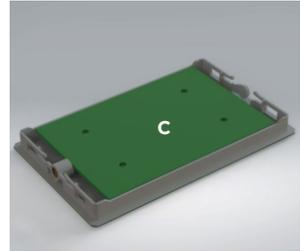
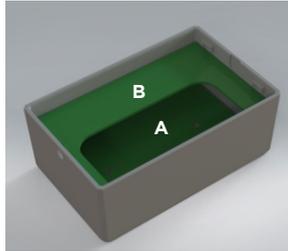
*Contents of the enclosure are not included, modifications are for example purposes only.

Our in-house modification service can cut out holes for ports, meaning that the enclosure could house a graphics processor.

ENCLOSURE SIZE	SIZE 1	SIZE 2	SIZE 3	SIZE 4
PART NUMBER	CBEAC-01-(BK,WH,GY)	CBEAC-02-(BK,WH,GY)	CBEAC-03-(BK,WH,GY)	CBEAC-04-(BK,WH,GY)
EXTERIOR DIMENSIONS L x W x H	90mm x 60mm x 40mm	110mm x 70mm x 45mm	130mm x 80mm x 45mm	150mm x 90mm x 50mm

PCB POSITIONS

There are multiple positions for your PCB. The PCB can be screwed into the base (position A), screwed into the lid (position C) or, for easy assembly, into the base in position B without the need for screws, using our unique feature where the PCB is retained by the ledge and captivated by spring features in the lid.



DIMENSIONS FOR EACH ENCLOSURE SIZE

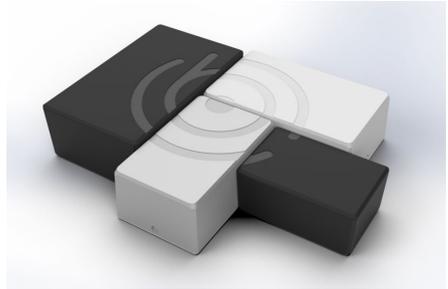
ENCLOSURE SIZE	PCB MOUNTING POSITION		PCB DIMENSIONS	
SIZE 1	BASE	A	Lower Screw Mounted	82mm x 52mm (end connector) / 80.5mm (side connectors)
		B	Upper Captivated	84mm x 53mm
	LID	C	Four Screw Mounts	68mm x 54mm
SIZE 2	BASE	A	Lower Screw Mounted	101.5mm x 61.5mm (end connector) / 100.5mm (side connector)
		B	Upper Captivated	104mm x 63mm
	LID	C	Four Screw Mounts	89mm x 61.5mm
SIZE 3	BASE	A	Lower Screw Mounted Full board	121.5mm x 71.5mm (end connector) / 121mm (side connector)
		A	Lower Screw Mounted Half Board	71.5mm x 45.3mm (central pillars) / 60.25mm (off centre pillars)
		B	Upper Captivated	124mm x 73mm
	LID	C	Four Screw Mounts	109mm x 71.5mm
SIZE 4	BASE	A	Lower Screw Mounted Full Board	141mm x 81mm (end connector & side connector)
		A	Lower Screw Mounted Half Board	81mm x 44.8mm (centre pillars) / 70mm (off centre pillars)
		B	Upper Captivated	144mm x 83mm
	LID	C	Four Screw Mounts	129mm x 81mm

TAKE YOUR ENCLOSURE TO THE NEXT LEVEL



CNC milling

We offer milling, drilling, tapping and countersinking meaning we can create slots, holes, features, light pipes, windows for every type of enclosure application.



Printing and engraving

We can add your unique branding to the enclosure using our in-house digital printing and CNC engraving service; making customisation an easy and seamless process!

Accessorize by purchasing either our Universal Wall Mount Bracket or DIN Rail Mount Bracket.



Learn more about the Easy Assembly Electronics Enclosure by visiting www.camdenboss.com/Easy-Assembly-Electronics-Enclosure



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Hex-Box IoT Enclosures by CamdenBoss

The UK manufactured Hex-Box IoT Enclosures have been designed with a focus on user-friendly customisation and flexibility at heart. These modern, feature filled enclosures are moulded from ABS UL94-V0 material and are 100% recyclable.

Create the perfect desktop enclosure by adding the Rubber Feet accessory, or create a wall mount enclosure solution by pairing the enclosure with the purpose designed Circular Wall Mount Bracket.



The convex lid and the concave base not only creates a modern aesthetic, but also allows for concealed mounting, keeping it flush to the wall.



The self-retaining, removable solid and vented end panels allow air flow or cable entry from any side. Position your panels in a combination that works for your device.



You have the flexibility to mount your PCB in either the top or base. There are six bosses in the top and four in the base, positioned to accept a Raspberry Pi board.



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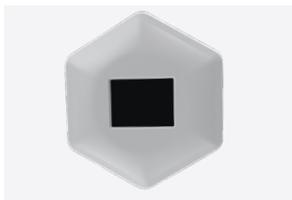
Number indexing labels at each opening, aids wall mounting and PCB positioning.



An internal drilling guide for cable entry aligns with the 25mm knock-out on the wall mount bracket.



Use the lug mounting holes on the base to attach your bracket in a position that works for you.



The smooth bevelled lid with flat top is ideal for a 2.5" screen and the flat surface can be easily digitally printed.



Easily locate the lid fixing points using the marked '+' symbols.



Save time on customisation by opting for our Pi ready Hex-Box IoT Enclosure. Two pre-customised panels allow for Raspberry Pi connections.

ENCLOSURE DIMENSIONS

EXTERNAL (LxWxH)	INTERNAL (LxWxH)	WALL THICKNESS
146 x 130 x 45 mm	122.5 x 125.5 x 34.5 mm	2.5 mm

PCB SIZE

Mount your PCB in either the lid (maximum 122.2mm PCB) or base (maximum 121.7mm PCB).

CHOOSE YOUR HEX-BOX IOT ENCLOSURE COMBINATION

OPTION	DESCRIPTION	GREY (GY)	BLACK (BK)	WHITE (WH)
Option 1	1 x enclosure and 6 x solid panels	CBHEX1-60-GY	CBHEX1-60-BK	CBHEX1-60-WH
Option 2	1 x enclosure, 5 x solid panels and 1 x vented panel	CBHEX1-51-GY	CBHEX1-51-BK	CBHEX1-51-WH
Option 3	1 x enclosure, 4 x solid panels and 2 x vented panels	CBHEX1-42-GY	CBHEX1-42-BK	CBHEX1-42-WH
Option 4	1 x enclosure, 3 x solid panels and 3 x vented panels	CBHEX1-33-GY	CBHEX1-33-BK	CBHEX1-33-WH
Option 5	1 x enclosure, 2 x solid panels and 4 x vented panels	CBHEX1-24-GY	CBHEX1-24-BK	CBHEX1-24-WH
Option 6	1 x enclosure, 1 x solid panel and 5 x vented panels	CBHEX1-15-GY	CBHEX1-15-BK	CBHEX1-15-WH
Option 7	1 x enclosure and 6 x vented panels	CBHEX1-06-GY	CBHEX1-06-BK	CBHEX1-06-WH
Option 8	1 x enclosure, 2 x customised solid panels to accommodate Raspberry Pi4, 2 x solid panels and 3 x vented panels	CBHEX1-PI4-GY	CBHEX1-PI4-BK	CBHEX1-PI4-WH
Circular Wall Mount Bracket	1 x circular wall mount bracket, 3 x screws, 3 x lugs	CBWMC-GY	CBWMC-BK	CBWMC-WH
Rubber Feet	6 x rubber feet (available in black only)	CBHEX-FEET		

ACCESSORIES (sold separately)

WALL MOUNT ACCESSORY Circular Wall Mount Bracket

Transform your Hex-Box IoT Enclosure into a wall mountable enclosure with the Circular Wall Mount Bracket (sold separately). This revolutionary circular mounting bracket is packed full of mounting options and offers seamless and discrete mounting to retain the modern aesthetic look of your housing, whilst gaining additional functionality.



Two keyhole mounting slots for quick and easy mounting.



Raised rib stand-offs help with stability of the enclosure on uneven surfaces and walls.



Two sets of mounting points in off centre orientations suitable for UK single gang box.



25mm cable entry knock-out for cable management. Customisation to the base required (using the guide provided).



It's easy to install, just screw the lugs to the enclosure, attach the enclosure to the bracket and twist the enclosure 30 degrees.



Four static mounting points/slots provide easy and flexible wall mount fitting.



DESK MOUNT ACCESSORY

Rubber feet

The six rubber feet (CBHEX-FEET) turn your Hex-Box IoT Enclosure into a tabletop enclosure (sold separately). Simply push the feet into the holes in the base of the Hex-Box IoT Enclosure.



POTENTIAL INDUSTRIES / APPLICATIONS

Industrial IoT, smart home, smart office, retail, speaker/alarm buzzer, meeting room device, network equipment, environmental sensor equipment, development board electronics.

CUSTOMISATION OPTIONS

Digital printing, screen printing, machining/drilling and engraving.



Learn more about the Hex-Box IoT Enclosure by visiting
www.camdenboss.com/Hex-Box-IoT-Enclosure



Discover more of our UK manufactured enclosures by visiting
www.camdenboss.com



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Room Sensor Enclosures by CamdenBoss

Our range of versatile wall mountable enclosures, available in two body types (solid/vented), three sizes and three colours (black, white or grey).



These 100% recyclable enclosures have been designed and manufactured in the UK, meaning shorter lead times.

A modern aesthetic and compact design makes our Room Sensor Enclosures perfect for indoor applications.

Enjoy quick and easy maintenance with the simple snap fit assembly and screwdriver actuation to remove the base.



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Internal PCB mount pillars are on the lid and base of Sizes 1 and 2, with Size 3 featuring mounting pillars in the lid only.



Solid housing lends itself to wall mount controls and smart applications such as lighting, security or network modules.



Vented housing allows airflow, making it ideal for thermostats, environmental sensing and IoT applications.



There are multiple mounting options available. Size 1 fits on a single gang UK-plug back box.



The Pi A+ board fits on the base of the Size 2. Internal clips moulded into the lids allow for snap-in PCB mounting.



The Thunderboard sense development board fits into the lid of Size 3.

Enclosure size	Exterior dimensions
Size 1	86mm x 86mm x 25.5mm
Size 2	74mm x 74mm x 25.5mm
Size 3	51mm x 51mm x 25.5mm



CUSTOMISE YOUR ROOM SENSOR ENCLOSURE

Fully customisable (CNC milling, printing, shielding), with the added benefit of a label recess on the front, ensuring that our Room Sensor Enclosures are versatile.

