

mobilCASE

THE MOBILE, PROFILE CONTROL ENCLOSURE

IP 54 / IP 65

The key product features:

- Enclosure material: aluminium profile
- Lid material: diecast zinc
- Enclosure surface: Profile silver-metallic, Lid RAL 9005
- Available as 1-part and 2-part profile
- Lid screws stainless steel 1.4567
- 1-part profile for the insertion of circuit boards
- 2-part profile for the easy assembly of short-stroke keyboards or displays
- Integrated recess for a membrane keypad or front membrane
- Ingress protection: 1-piece profile IP 65; 2-piece profile IP 54
- Lid gasket: TPE molded gasket, silicone-free, Gasket, 2-part profile: O-ring gasket (CR)

mobilCASE is a modern and ergonomic range of extruded enclosures which is ideal for handheld electronic instruments and mobile machine/robotic controllers. Three standard widths are available to suit a wide range of applications. The enclosures can be supplied in custom lengths on demand. Each enclosure consists of a case profile and two end covers which are supplied with TPE molded sealing gaskets and a screw kit. There are various types of end cover kits and accessories to suit different uses and installation set-ups. The enclosures are specified from individual kits.

HOW TO SPECIFY YOUR mobilCASE ENCLOSURES

1). Enclosure Profile

Select the size and type of enclosure profile you need from the table below (click on part no.). The profiles are specified in PCB widths: 80 mm (3.15"), 100 mm (3.94"), 130 mm (5.12") (Dim. P). Types: 1-Part (IP 65) single profile for slide-in PCBs or 2-Part (IP 54) open profile which allows for keypads, displays etc. to pass through the top (when machined).

2). End Cover Kits

Select a suitable end cover kit from the accessories section. All cover kits include two TPE molded seals and a screw kit. Options:

Set DF - two flat end covers Set DK - one flat and one deep end cover with M16 screw plug (for battery compartment access) Set ABF - adjustable tilt stand with two flat end covers Set ABK - adjustable tilt stand with one flat and one deep end cover with M16 screw plug Set WH - wall/machine pivot mount bracket with two flat end covers Set PG - two rotating end covers for connecting two units together.

3). Accessories

Select any optional accessories:

Set PK - shoulder strap with two protection caps for carrying the unit Set CH - case holder for storing the unit on a wall or machine Set AH - battery holders for 2 or 4 1.5V AA cells Set KV - M16 cable gland adaptor kit

(replaces screw plug on deep end covers).

CONFIGURATOR

You can also specify these enclosures in custom sizes using the [mobilCASE configurator](#).

CUSTOMIZED VERSIONS

We can supply mobilCASE enclosures fully [machined and finished to your requirements](#).

Enclosure profiles

3 standard PCB widths: 80 mm (3.15"), 100 mm (3.94"), 130 mm (5.12") in 2 versions

Additional info

Integrated recess in the profiles for a membrane keypad or product label
Die-cast flat end covers or deep end covers with collar to protect plug connectors
Optional: Adapter with M16 cable gland for external power supply
Optional: Case holder for storing the unit on the wall or machine
Optional: Combination kit for connecting two profiles (also with different sections)
Optional: Shoulder strap with protective caps for portable instruments
Optional: Adjustable tilt stand kits including end covers
Optional: Battery holders for 2 or 4 AA batteries

Material/color

Extruded aluminum profile: AL Mg Si 0.5 / DIN 17615
Powder coating, silver metallic
Optional: Anodized
End cover (2 variants): Die-cast zinc alloy GD-Zn Al 4 Cu 1 / DIN EN 12844
Powder coating, RAL 9005, deep black
Optional: Special colors

Fastening

Optional: Clip holder for setting down devices at the wall or machine
Optional: Articulated wall/desk fixation including stand

Internal mounting

For circuit board widths 80 mm/100 mm (Eurocard)/130 mm

Ingress protection

Profile 1-part IP 65 / EN 60529
Profile 2-part IP 54 / EN 60529
Set PG IP 54 / EN 60529

Gasket


Lid: TPE molded gasket, silicone-free
Profile: Chloroprene O-ring gasket (CR)

Lid screws

Stainless steel 1.4567

Customizing

Learn more about our [full customizing service for installation-ready enclosures](#)

Photo	No.	Type	Length L	Width W	Height H	Gasket H	Optional available
	250.080.120	1-Part Profile P 80-1- 120	118	118	0		-
	250.080.160	1-Part Profile P 80-1- 160	118	118	0		-
	250.100.160	1-Part Profile P 100-1- 160	138	138	0		-
	250.100.200	1-Part Profile P 100-1- 200	138	138	0		-
	250.130.180	1-Part Profile P 130-1- 180	168	168	0		-
	250.130.240	1-Part Profile P 130-1- 240	168	168	0		-
	251.080.120	2-Part Profile P 80-2- 120	118	118	0		-
	251.080.160	2-Part Profile P 80-2- 160	118	118	0		-
	251.100.160	2-Part Profile P 100-2- 160	138	138	0		-
	251.100.200	2-Part Profile P 100-2- 200	138	138	0		-
	251.130.180	2-Part Profile P 130-2- 180	168	168	0		-
	251.130.240	2-Part Profile P 130-2- 240	168	168	0		-