

## **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)

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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 consist 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- <del>160</del> <b>120</b>	118	118	0		-
	250.080.160	1-Part Profile P 80-1- <b>160</b>	118	118	0		-
	250.100.160	1-Part Profile P 100- <del>160</del> <b>160</b>	138	138	0		-
	250.100.200	1-Part Profile P 100- <del>200</del> <b>200</b>	138	138	0		-
	250.130.180	1-Part Profile P 130- <del>180</del> <b>180</b>	168	168	0		-
	250.130.240	1-Part Profile P 130- <del>240</del> <b>240</b>	168	168	0		-
	251.080.120	2-Part Profile P 80-2- <b>120</b>	118	118	0		-
	251.080.160	2-Part Profile P 80-2- <b>160</b>	118	118	0		-
	251.100.160	2-Part Profile P 100- <del>2160</del> <b>160</b>	138	138	0		-
	251.100.200	2-Part Profile P 100- <del>200</del> <b>200</b>	138	138	0		-
	251.130.180	2-Part Profile P 130- <del>2180</del> <b>180</b>	168	168	0		-
	251.130.240	2-Part Profile P 130- <del>2240</del> <b>240</b>	168	168	0		-