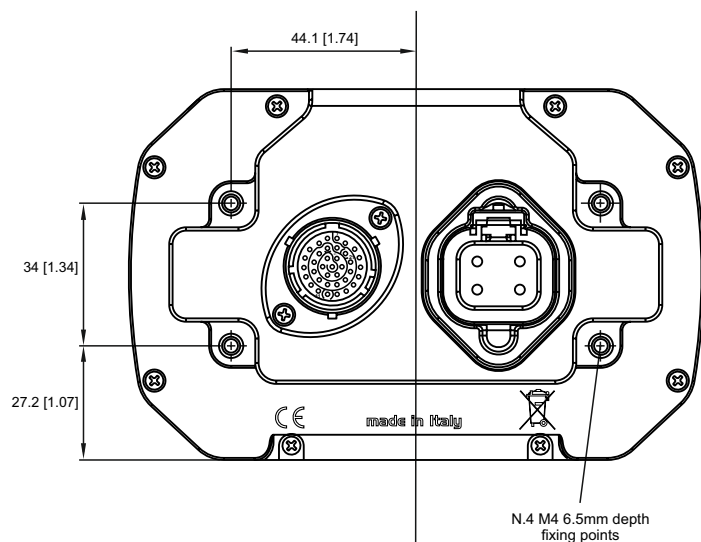
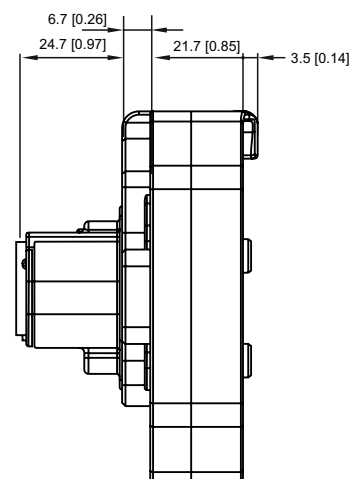
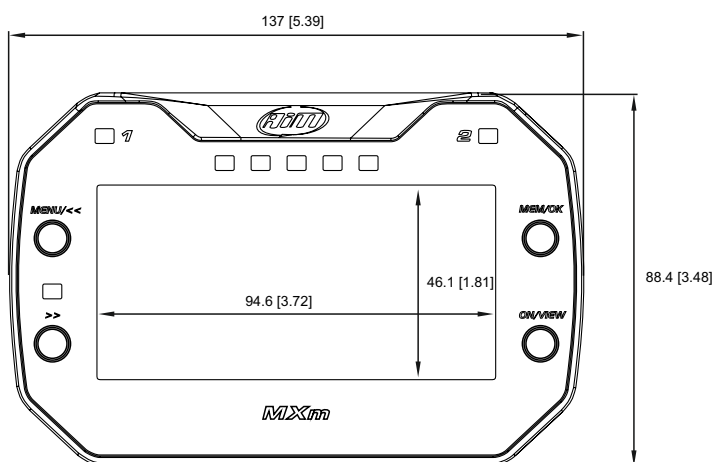
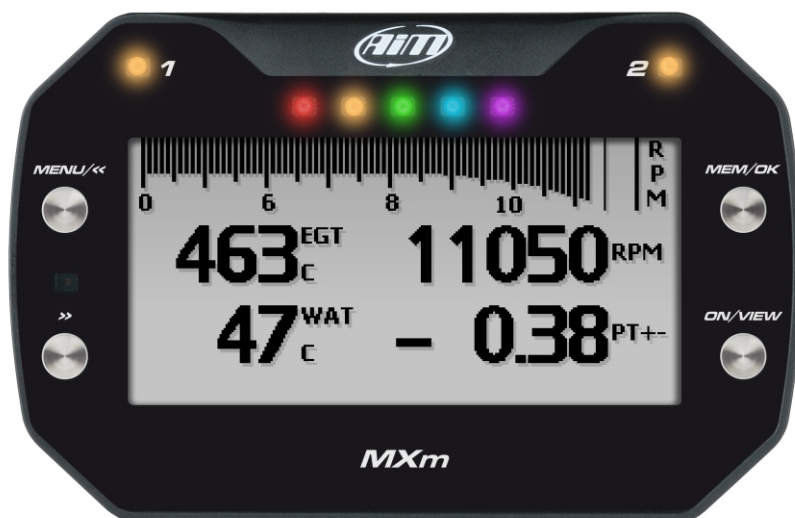




# AiM MXm

Dash logger





# AiM MXm

## Dash logger

### Technical specifications

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| <b>Display resolution</b>   | 268 x 128 pixels                                              |
| <b>Backlight</b>            | 7 configurable RGB colors                                     |
| <b>Ambient Light sensor</b> | Yes                                                           |
| <b>Shift Lights</b>         | 5 configurable RGB LEDs                                       |
| <b>Alarm LEDs</b>           | 2 configurable RGB LEDs                                       |
| <b>CAN connections</b>      | 2                                                             |
| <b>ECU connection</b>       | CAN, RS232, K-Line                                            |
| <b>Inertial platform</b>    | Internal 3 axis $\pm 5G$ accelerometer + 3 axis gyro          |
| <b>GPS</b>                  | Integrated                                                    |
| <b>External modules</b>     | Lambda Controller, ACC3, GPS09c, SmartyCam 3 Series           |
| <b>Analog inputs</b>        | 4 fully configurable, max 500 Hz each                         |
| <b>Digital inputs</b>       | 2 speed inputs<br>Low level coil RPM input, 0-5 V square wave |
| <b>Digital outputs</b>      | 2 high-side                                                   |
| <b>Wi-Fi connection</b>     | Yes                                                           |
| <b>Internal memory</b>      | 4 GB                                                          |
| <b>Body</b>                 | PA6 GS30%                                                     |
| <b>Pushbuttons</b>          | Metallic                                                      |
| <b>Connectors</b>           | 37 pins Motorsport connector + 4 pins power connector         |
| <b>Dimensions</b>           | 137 x 88.4 x 31.9 mm                                          |
| <b>Weight</b>               | 330 g                                                         |
| <b>Waterproof</b>           | IP65                                                          |

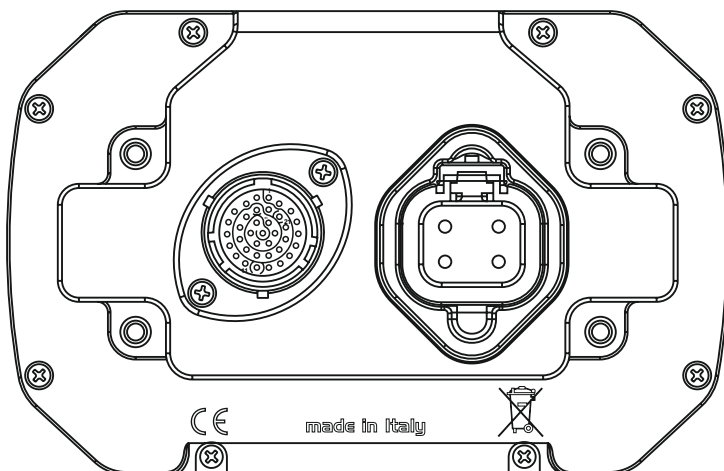
### In the box

MXm, 37 pins connector harness + USB cable, Amphenol cable, DTP 06-4S EE01 4 pins connector with pins.  
RaceStudio 3 software and user manual freely downloadable from [aim-sportline.com](http://aim-sportline.com).

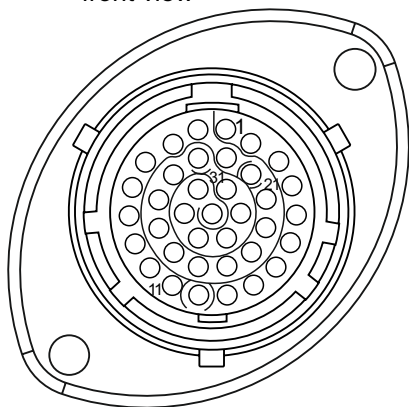
### Part number

|                   |     |
|-------------------|-----|
| <b>X87MXM0000</b> | MXm |
|-------------------|-----|

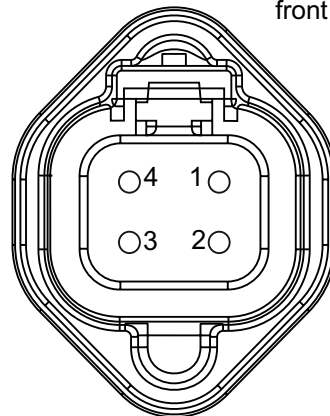
### Pinout



37 pins Motorsport  
male connector  
front view



4 pins power  
male connector  
front view



| Pin | Pin function       |
|-----|--------------------|
| 1   | 9-15V Power input  |
| 2   | Battery Ground     |
| 3   | CAN+ Exp           |
| 4   | Ground             |
| 5   | +Vbattery CAN      |
| 6   | CAN- exp           |
| 7   | +Vbext             |
| 8   | CAN1+/ECU RS232TX  |
| 9   | CAN1- /ECU RS232RX |
| 10  | Ground             |
| 11  | ECU K-Line         |
| 12  | USB D+             |
| 13  | USB D-             |
| 14  | Ground             |
| 15  | RPM                |
| 16  | Ground             |
| 17  | +Vbattery          |
| 18  | Speed2             |
| 19  | Speed1             |

| Pin | Pin function   |
|-----|----------------|
| 20  | Ground         |
| 21  | +Vbattery      |
| 22  | Analog Input 1 |
| 23  | Analog GND     |
| 24  | +Vbattery      |
| 25  | +Vreference    |
| 26  | Analog Input 2 |
| 27  | Analog GND     |
| 28  | +Vbattery      |
| 29  | +Vreference    |
| 30  | Analog Input 3 |
| 31  | Analog GND     |
| 32  | +Vbattery      |
| 33  | +Vreference    |
| 34  | Analog Input 4 |
| 35  | Analog GND     |
| 36  | +Vbattery      |
| 37  | +Vreference    |

| Pin | Pin function       |
|-----|--------------------|
| 1   | High side output 2 |
| 2   | 9-15V power input  |
| 3   | 9-15V power input  |
| 4   | High side output1  |