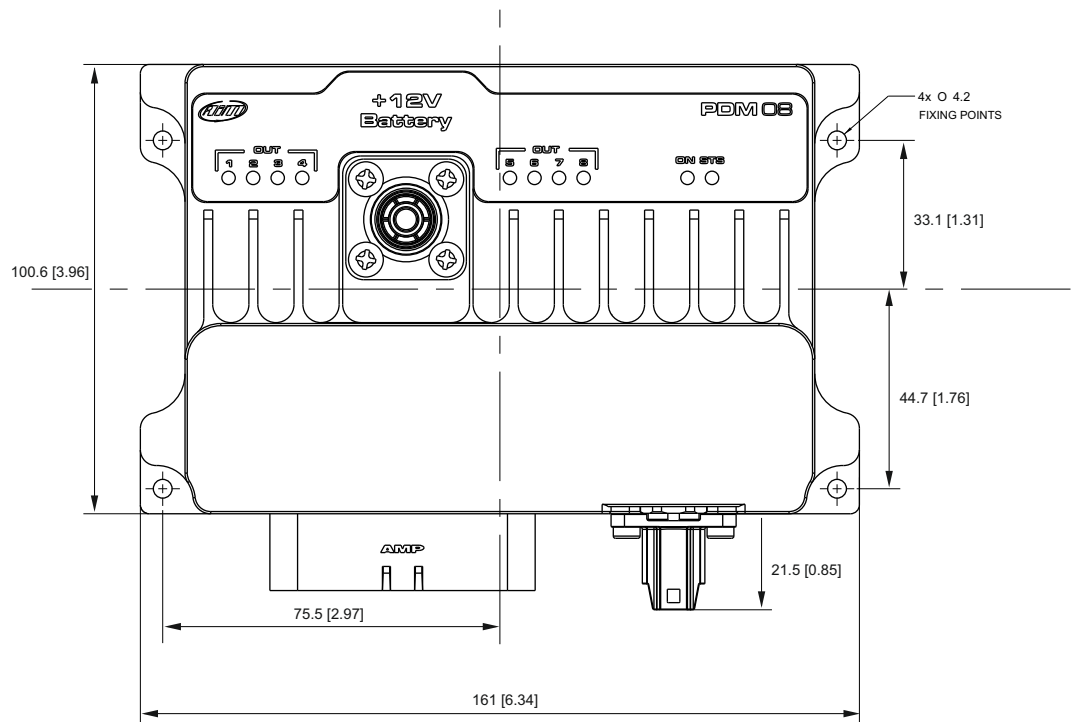
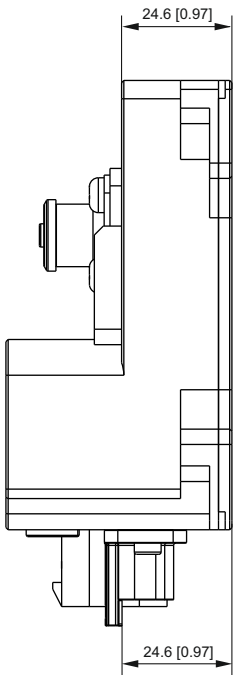
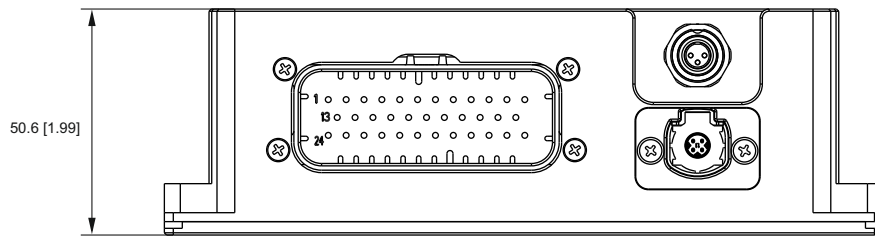




# AiM PDM08

## Power Distribution Module





# AiM PDM08

## Power Distribution Module

### Technical specifications

<b>LEDs</b>	8 RGB LEDs + 1 PDM ON + 1 PDM STS (Status)
<b>Inputs</b>	6 fully configurable, max 500 Hz each Pullup +12V, +5V, analog/digital Pulldown
<b>Speed IN</b>	2
<b>Power outputs</b>	1 with serie diode rated up to 20 A 1 rated up to 25 A 6 rated up to 15 A Protected for: over voltage, under voltage, over current, over temperature All outputs have internal freewheeling diode Total max current: 100 A
<b>Lin bus</b>	1
<b>CAN connections</b>	3
<b>Inertial platform</b>	3 axis $\pm 5G$ accelerometer + 3axis gyro + 3 axis magnetometer
<b>Internal memory</b>	4 GB
<b>External modules</b>	GPS Module, Channel Expansion, TC Hub, Lambda Controller, SmartyCam HD, Formula Steering Wheel, Remote I/O pushbutton module
<b>External Analog Camera input</b>	NO
<b>Connectors</b>	1 AMP connector + 1 Amphenol Surlok connector + 1 Rosenberger connector
<b>Remote display connection</b>	1 AiM stream output
<b>Body</b>	Anodized Aluminum
<b>Dimensions</b>	161x100.6x50.6 mm
<b>Weight</b>	500 g
<b>Waterproof</b>	IP65



# AiM PDM08

## Power Distribution Module

### Part numbers

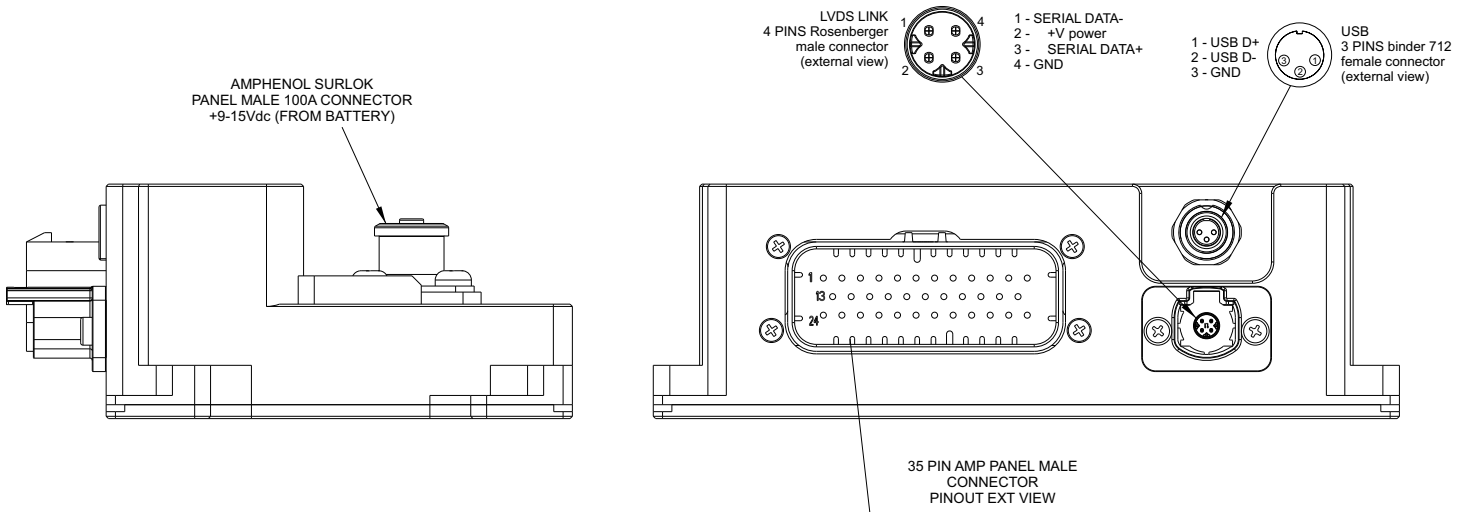
<b>XC1PDM0801G050</b>	PDM08 Display connector version + 50 cm GPS Module cable length
<b>XC1PDM0801G130</b>	PDM08 Display connector version + 130 cm GPS Module cable length
<b>XC1PDM0801G200</b>	PDM08 Display connector version + 200 cm GPS Module cable length
<b>XC1PDM0801G400</b>	PDM08 Display connector version + 400 cm GPS Module cable length
<b>XC1PDM0801R200</b>	PDM08 Display connector version + 200 cm GPS Module «Roof» version cable length
<b>XC1PDM0801R400</b>	PDM08 Display connector version + 400 cm GPS Module «Roof» version cable length
<b>XC1PDM0802G050</b>	PDM08 with connector for display + 50 cm GPS Module cable length
<b>XC1PDM0802G130</b>	PDM08 with connector for display + 130 cm GPS Module cable length
<b>XC1PDM0802G200</b>	PDM08 with connector for display + 200 cm GPS Module cable length
<b>XC1PDM0802G400</b>	PDM08 with connector for display + 400 cm GPS Module cable length
<b>XC1PDM0802R200</b>	PDM08 with connector for display + 200 cm GPS Module «Roof» version cable length
<b>XC1PDM0802R400</b>	PDM08 with connector for display + 400 cm GPS Module «Roof» version cable length
<b>XC1PDM08D06G050C2</b>	Kit PDM08, Display 6", 2 m cable length, 50 cm GPS Module cable length
<b>XC1PDM08D06G130C2</b>	Kit PDM08, Display 6", 2 m cable length, 130 cm GPS Module cable length
<b>XC1PDM08D06G200C2</b>	Kit PDM08, Display 6", 2 m cable length, 200 cm GPS Module cable length
<b>XC1PDM08D06G400C2</b>	Kit PDM08, Display 6", 2 m cable length, 400 cm GPS Module cable length
<b>XC1PDM08D06R200C2</b>	Kit PDM08, Display 6", 2 m cable length, 200 cm GPS Module «Roof» version cable length
<b>XC1PDM08D06R400C2</b>	Kit PDM08, Display 6", 2 m cable length, 400 cm GPS Module «Roof» version cable length
<b>XC1PDM08D10G050C2</b>	Kit PDM08, Display 10", 2 m cable length, 50 cm GPS Module cable length
<b>XC1PDM08D10G130C2</b>	Kit PDM08, Display 10", 2 m cable length, 130 cm GPS Module cable length
<b>XC1PDM08D10G200C2</b>	Kit PDM08, Display 10", 2 m cable length, 200 cm GPS Module cable length
<b>XC1PDM08D10G400C2</b>	Kit PDM08, Display 10", 2 m cable length, 400 cm GPS Module cable length
<b>XC1PDM08D10R200C2</b>	Kit PDM08, Display 10", 2 m cable length, 200 cm GPS Module «Roof» version cable length
<b>XC1PDM08D10R400C2</b>	Kit PDM08, Display 10", 2 m cable length, 400 cm GPS Module «Roof» version cable length
<b>XC1D06000</b>	Display 6"
<b>XC1D10000</b>	Display 10"



# AiM PDM08

## Power Distribution Module

### Pinout



PIN	DESCRIPTION	PIN	DESCRIPTION
1	Power out 1	19	CAN2H
2	Power out 2	20	CH IN 3
3	CAN AiM H	21	CH IN 4
4	Power out 3	22	+5VREF
5	CAN ECU L	23 ●	Power out 8
6	Power out 4	24	LIN
7	Power out 5	25	IGN
8	CH IN 1	26	+VB out CAN
9	Power out 6	27	GND
10	CH IN 2	28	Speed 1 IN
11	Power out 7	29	Speed 2 IN
12 ●	Power out 8	30	CH IN 5
13	Power out 1	31	+5VREF
14	+VB ext CAN	32	+VB out
15	CAN AiM L	33	CH IN 6
16	CAN ECU H	34	GND
17	GND	35	GND
18	CAN2L		

● High Power Out 8 has internal serie diode