



Image 1: Connect Box CB 1000

- Pro Tune inputs expander
- Up to 5 digital inputs
- Up to 5 analog inputs
- CAN protocol

General

Connect Box CB 1000 is an input expander for Pro Tune products. CB1000 enables greater instrumentation of the vehicle allowing greater possibilities of acquisition and analysis of data.

Technical Specifications

Inputs

Inputs	Pull-up	Digital	12 V
IN_1	X		
IN_2	X		
IN_3	X		
IN_4	X		
IN_5	X		X
DIG_IN_1		X	
DIG_IN_2		X	
DIG_IN_3		X	
DIG_IN_4		X	
DIG_IN_5		X	

A unique input for engine speed capture (DIG_5 (RPM)). It can be connected directly to coils without integrated driver

4 mixed digital and analog inputs with pull-up resistor always on. They allow capturing wheel speeds, turning on switches and temperature sensors of NTC type

A pure analog input (0 to 15 V), with selectable pull-up via CAN.

Outputs

An unregulated 12 V output for sensor supply, 100 mA

One regulated 5 V output on each connector for sensor supply, 100 mA

Mechanical characteristics

Built with an anodized aluminum enclosure

Size: 72 mm x 62 mm x 34 mm

Weight: 127g

Electrical characteristics

Supply voltage: 7 – 22 V

Consumption: 30 mA

Communication

CAN protocol: 100 – 1000 kbps

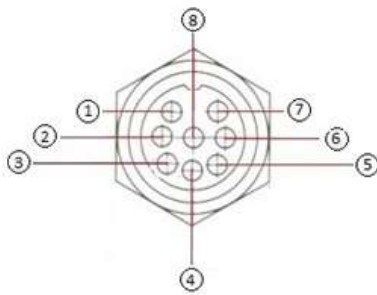


Image 2 – 8-way connector

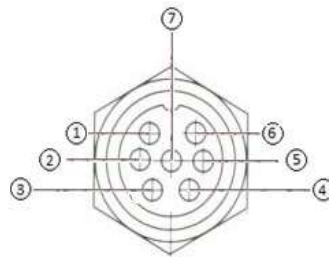


Image 3 – 7-way connector

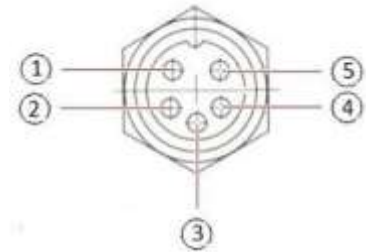


Image 4 – 5-way connector

Function	Pinn
IN_1	1
IN_2	2
IN_3	3
IN_4	4
IN_5	5
12V_OUT	6
SEN_5V	7
PWR_GND	8

Function	Pin
DIG_1	1
DIG_2	2
DIG_3	3
DIG_4	4
DIG_5(RPM)	5
SEN_5V	6
PWR_GND	7

Function	Pin
GND	1
12V	2
-	3
CAN High	4
CAN Low	5