

# Microtec M197 Ducati Engine Control Unit



**Brand:** Microtec SRL

**Product Code:** M197

**Availability:** 7 Days

**Weight:** 1.00kg

**Dimensions:** 15.00cm x 10.00cm x 5.00cm

**Price:** \$1,925.00

## Short Description

Injection and ignition control unit, specially designed for use on various Ducati models, replacing the original factory ECU. This is a complete kit with software, start up maps and the USB-CAN interface all included.

## Description

The heart of the system consists of the Power PC MPC5534 by Freescale that with the high speed of calculation supported by a system clock of 80MHz, ensures great performance.

The high level of parameters configuration makes this module easily adaptable to different conditions of use.

The unit comes with two basic maps already preloaded and adapted to the model which will be used.

The following models are fully supported:

Hypermotard 1100

Monster 400

Monster 620

Monster 695

Monster 750

Monster 800  
Monster 900  
Monster 1000  
Monster S2R 800  
Monster S2R 1000  
Monster S4  
Monster S4R  
Multistrada 620  
Multistrada 1000  
Multistrada 1100  
Superclassic GT1000  
Superclassic Paulsmart 1000  
Superclassic Sport 1000

Sport Touring ST2  
Sport Touring ST3  
Sport Touring ST4  
Street Fighter 1098  
Super Bike 749  
Super Bike 848  
Super Bike 998  
Super Bike 999  
Super Bike 1098  
Super Bike 1098R  
Super Bike 1198  
Super Sport 620  
Super Sport 750  
Super Sport 800  
Super Sport 900  
Super Sport 1000

This unit is fully compatible with the original DUCATI dashbo-ard, and many other functions are available as options:

- High speed shift feature
- Auto mapping feature (adequate lambda sensor required)
- Drop switch
- Data acquisition on CAN line

By means of an included adapter, the unit can be connected to an USB port of a common Windows PC.

A 3D Windows application, is designed for customize and moni-tor all the system paramenters.

The external BOX is constituted by a black plastic cover and an aluminum back.

Four fixing points are provided to permit a simple installation on the original DUCATI support

## Technical Data

Mechanical	
Dimension	125mm x 50mm x 40mm
Box	Plastic with aluminum bottom
Main Connectors	(Engine+Body) 2 x 38 ways
AUX Connector	1 x 8 ways AMP 040 Multilock
Weight	150gr
Input	
Analog	8
Digital	10
UEGO Lambda Sensor	1
NBEGO Lambda Sensor	2
Inductive Pickup	1
Wheel Speed	1
Temperature Water/Oil	1
Battery Level	1
Output	
Injector Driver	4
Coil Driver	2
Water Pump	1
Fan	1
RPM	1
Fuel Pump	1
Idle Valve	1
Light	1
Communication	
CAN line 1Mbit/s (PC / Data Acquisition)	1
CAN line 125Kbit/s (Dashboard)	1
Working Range	
Power Supply	8 - 18Vdc
Temperature	-20 - +85°C

## Software

The full M197 software package can be found here including start up maps for many Ducati models.

[M197\\_113 download](#)

## Product Gallery

