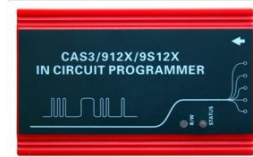


ECU In-Circuit Programmer for CAS3, 912X, and 9S12X Microcontrollers

This in-circuit programmer is designed for programming and debugging automotive electronic control units (ECUs). It supports CAS3, 912X, and 9S12X series microcontrollers and connects to a PC via USB.



Overview

Advanced In-Circuit ECU Programming

The CAS3/912X/9S12X In-Circuit Programmer is a specialized diagnostic tool designed for professional automotive technicians. It allows for direct programming and memory verification of microcontrollers without the need to desolder components from the circuit board. By utilizing a simple 7-pin connection and USB interface, it streamlines the workflow for ECU reprogramming and diagnostics across a wide range of vehicle brands.

Technical Features

Required Connections

7 pins

Connection Pins

Device Indicators

R/W Status LED • Power Status LED

In-Circuit Programming

Yes

PC Interface

USB

Compatibility

Specific MCU Models

- MC912D60
- MC912DX128
- MC9S12DX64
- MC9S12DX128
- MC9S12DX256
- MC9S12XDX512

Supported MCU Families

Motorola HC12, Freescale HCS12, Freescale HCS12X, Secured Microcontrollers

Vehicle Coverage

BMW Support

- 1, 3, 5, 6 Series CAS2 White (MC9S12)
- 1, 3, 5, 6, X5 Series CAS3 Black (MC9S12)
- 1, 3, 5, 6, X5 Series CAS3 Black (MC9S12X)
- 7 Series CAS 2002 (HC12)
- 7 Series CAS 2005 (9S12)
- X3/X5 EWS4 (MC9S12)

Mercedes-Benz Support

- A-Class 2004 Key Module (MC9S12)
- C/CLK C209 ZGW (MC9S12)
- E/C W211 Key Module (HC12)
- E/C/CLK/SLK W211 Key Module (MC9S12)
- ML/R W164 Key Module (MC9S12)
- S/SL EZS R230 (MC9S12)
- Sprinter EZS (MC9S12)

Other Supported Vehicles

Brand	Model/Module	MCU Type
Ford	Mustang 2007	MC9S12
Land Rover	Freelander 2002/2004	HC12
Volkswagen	Crafter EZS	MC9S12
Mini	One/Cooper Dashboard	HC12
Mini	One/Cooper EWS4	MC9S12
Mini	One/Cooper CAS3 Black	MC9S12X