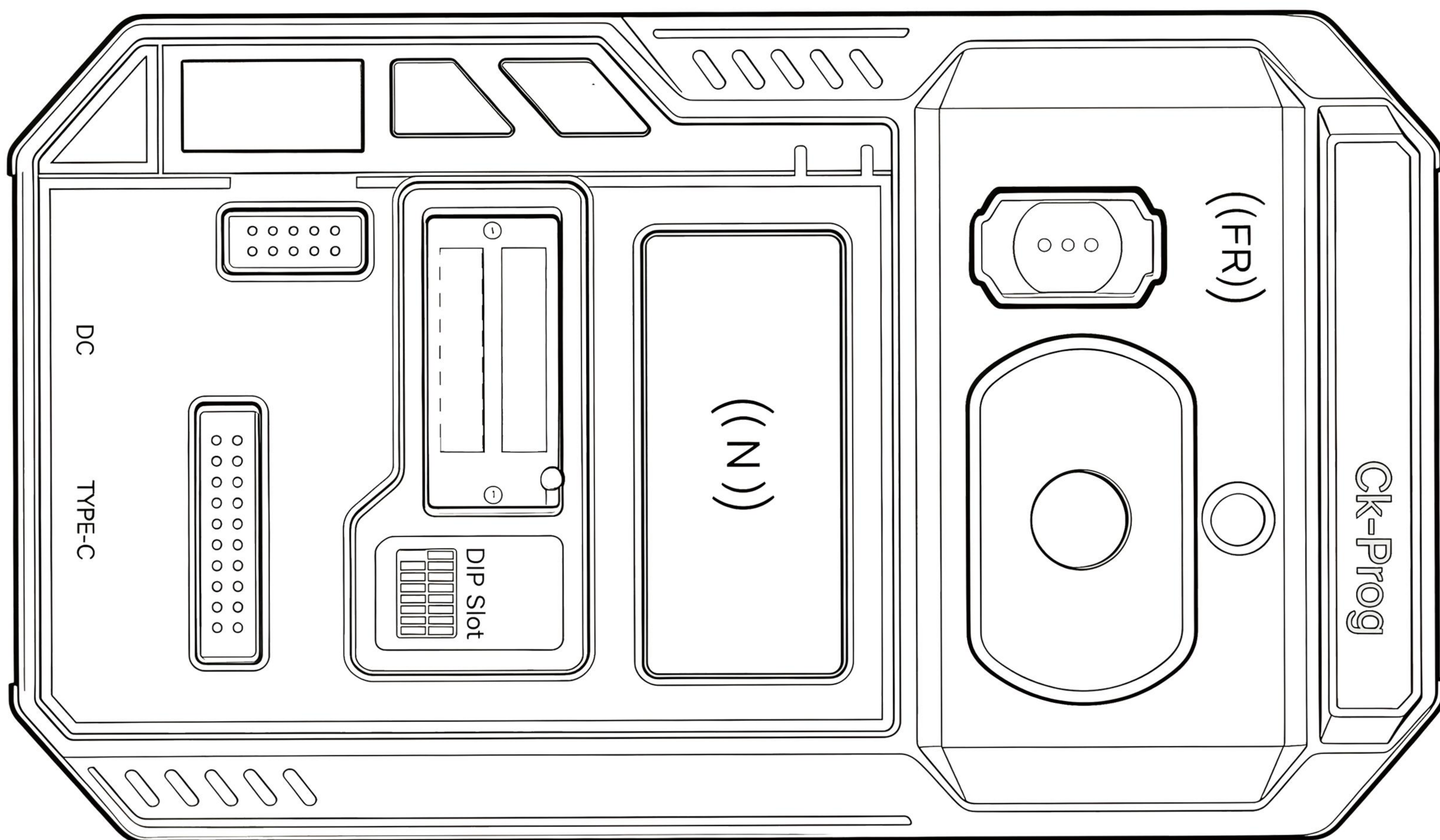




CK-PROG

Automotive Intelligent ProgrammerV1.0



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Brief introduction

CK-PROG device supports reading and writing data for a wide range of chips, including SPC56xx, MPC56xx, SPC564xx, MAC7, MPC57xx, MC68HC(9)12 series, TC2xx series, XC2xx series, FS32K1xx series, 9S12, 9S08, M68Hxx series, H8S, R5F61725 series, ATMEGA series, PIC16/PIC18 series, S6J series, RH850 (R7F7) series, RL78 (R7F1/R5F5) series, STM10, STM8 series, MB96FXX series, V850 (D70F) dual-wire series, V850 (DF70) single-wire series, MB91 series and EEPROM chips.

It is equipped with decryption functions, currently supporting chips from Freescale, Renesas, NXP and other manufacturers, with more models under continuous development. The device enables chip programming operations such as reading, writing, erasing, unlocking, locking and data verification. It also allows users to customize programming data via the menu and complete one-click flashing. Wiring diagrams are provided by vehicle model for easy connection.

Document Statement

Dear users, thank you for choosing CK-PROG. Please read this manual carefully and follow the below regulations before use:

- 1 .Use the equipment in a stable electromagnetic environment.
- 2 .Ensure reliable grounding of the anti-static constant-temperature soldering station during soldering.
- 3 .Cut off all power beforehand to prevent short-circuit damage to equipment and components.
- 4 .Keep the area well ventilated against harmful soldering fumes.
- 5 .Do not use non-rated power supply to avoid equipment damage.
- 6 .Keep the unit away from moisture, grease, dust and corrosives. Avoid heavy load, dropping and direct sunlight.
- 7 .Clean with clean cotton cloth and mild detergent.
- 8 .Store out of children's reach.
- 9 .Contact technical support for any other issues.

Safety Precautions

To prevent personal injury, damage to vehicles, equipment and other property, please strictly follow the safety precautions below:

1. Use in a stable electromagnetic environment.
2. Use properly grounded anti-static constant-temperature soldering stations only.
3. Cut off all power before soldering to prevent short-circuit damage.
4. Ensure good ventilation against harmful soldering fumes.
5. Do not use non-rated power supplies to avoid device damage.
6. Keep away from moisture, oil, dust and corrosives. Avoid heavy pressure, drops and direct sunlight.
7. Clean with soft cloth and mild detergent.
8. Store out of children's reach.

Product Overview



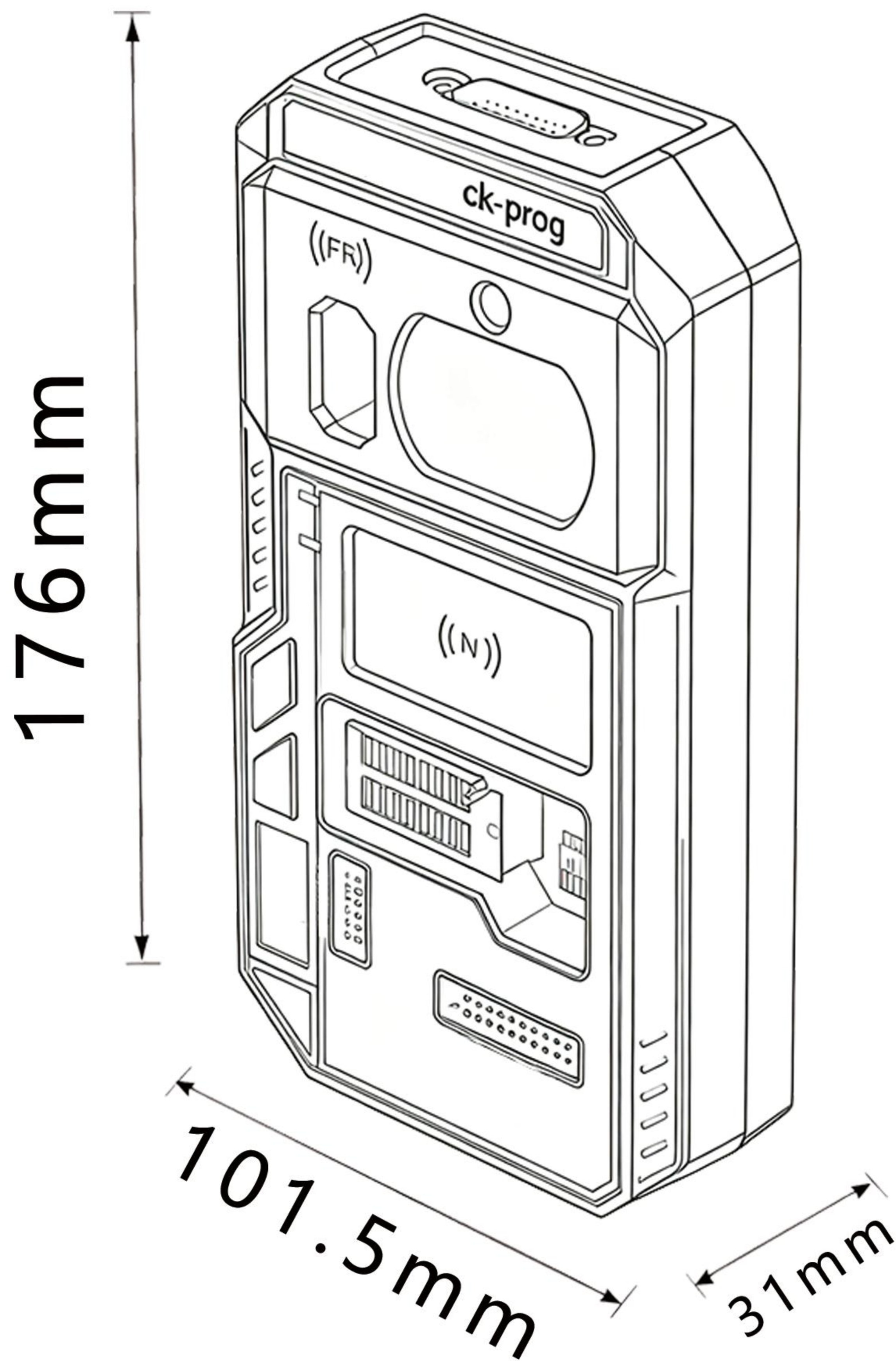
Package List

Below are the product and accessories.
Please contact your dealer if any
standard parts are missing. See the next
page for accessory details.

	Name	Quantity
1	CK-PROG Main Unit	1
2	Power Cord	1
3	USB Data Cable	1
4	ATMEGA Adapter (Standard)	1
5	8-pin Socket (Optional)	1
6	8-pin Adapter Board (Standard)	1
7	MCU-Cable V1 Programming Cable	1
8	8-pin Solderless Harness	1

Main Unit Details

1. CK-PROG Main Unit



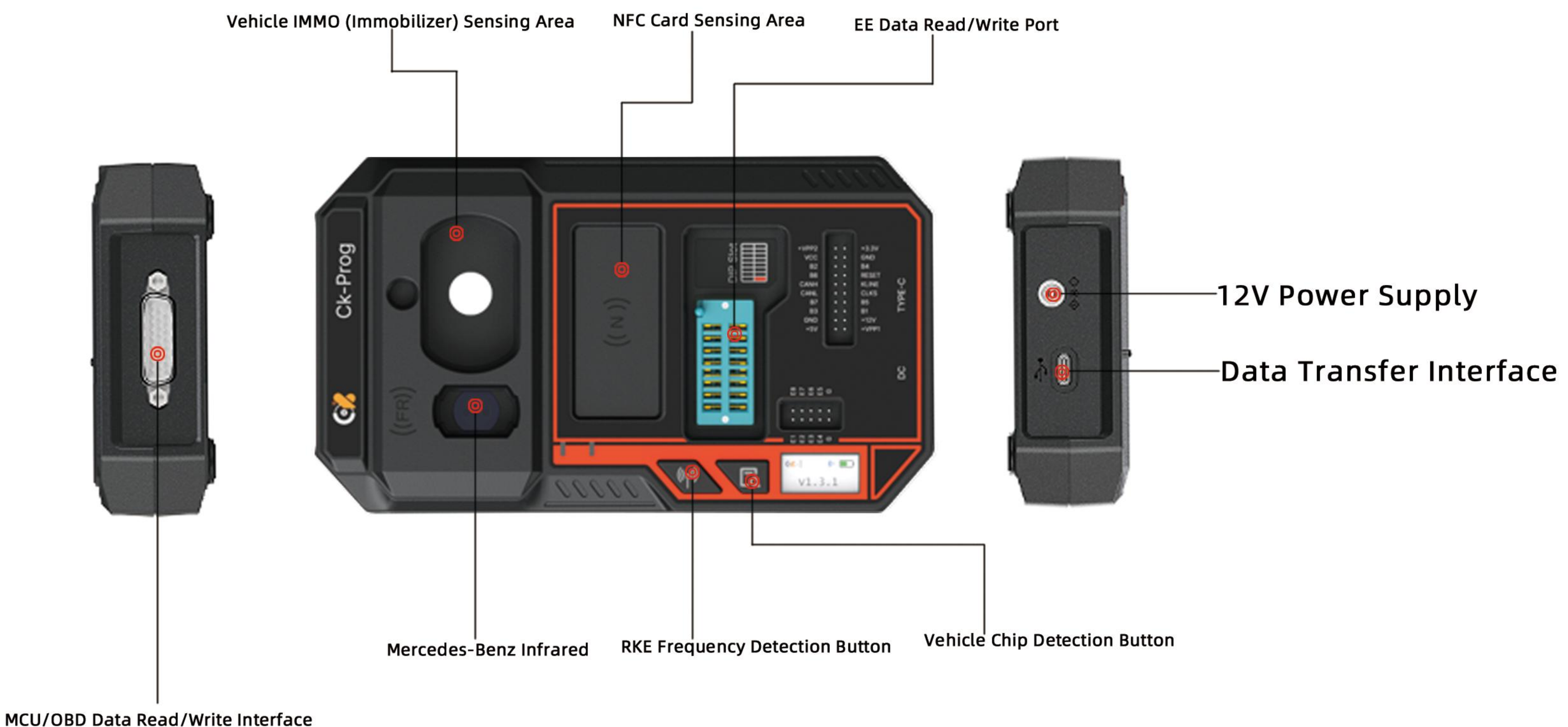
USB Interface		USB 2.0	
External Power Supply		12V/2A	
Power		1W	
Product Dimensions	Length	Width	Height
	176mm	101.5mm	31mm

Main Unit Details

Housing Material Introduction

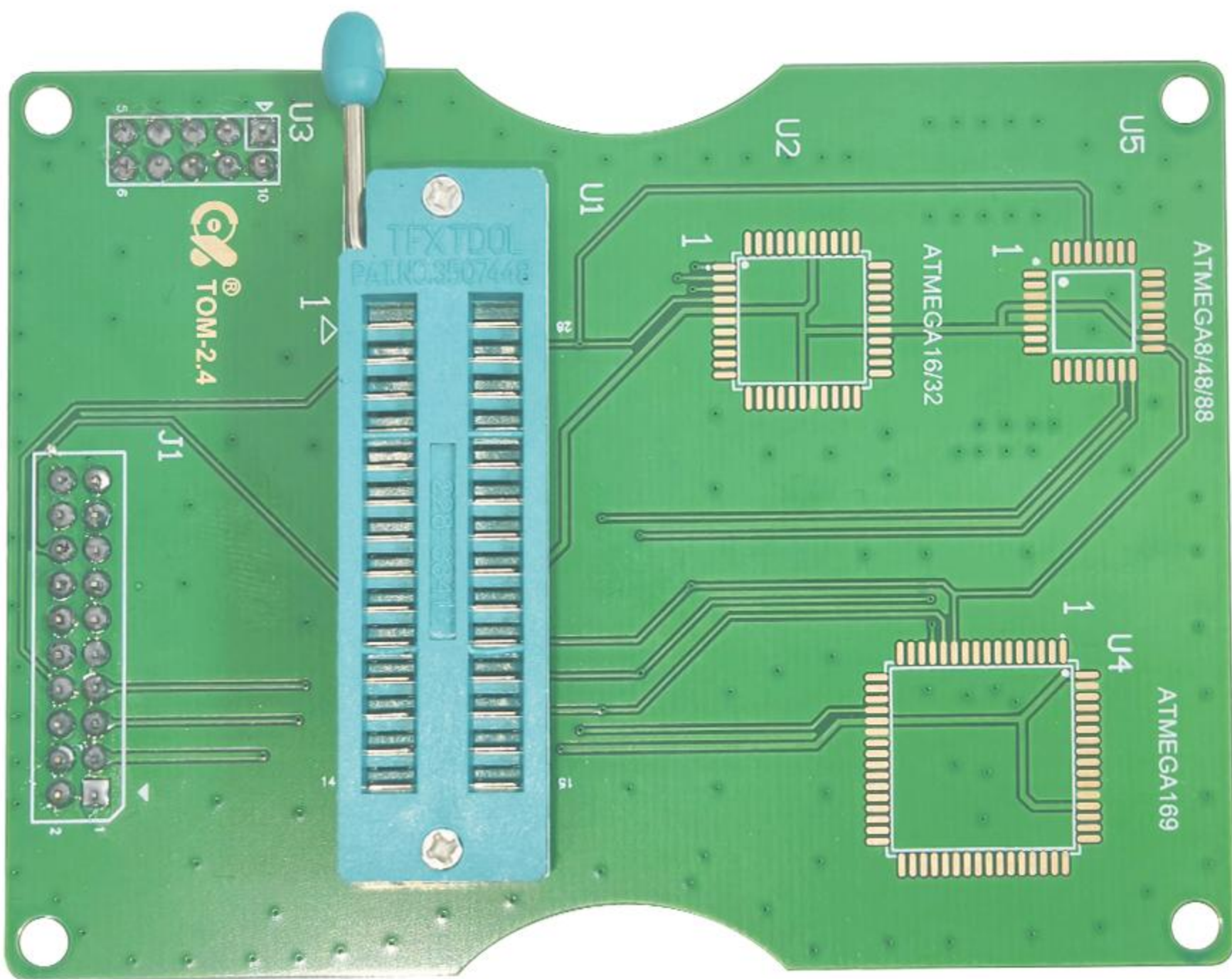


Function Area Introduction



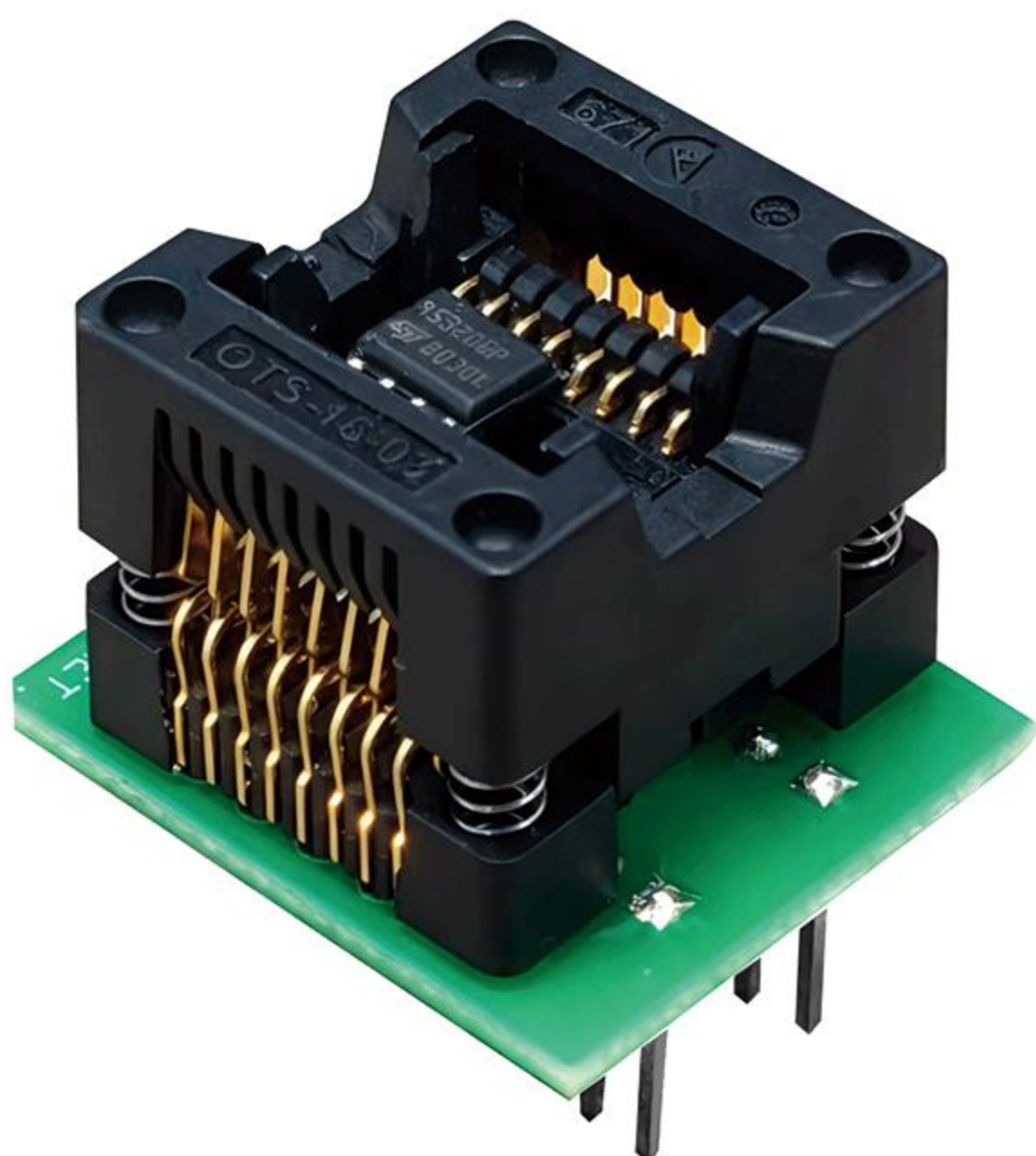
Accessories Details

4. ATMEGA Adapter (Standard Configuration)



Supports 8/16/32-pin chips. Comes with through-hole solderless lock socket and 3 solder positions; enables meter calibration and chip erasure.

5. 8-pin Socket (Optional)



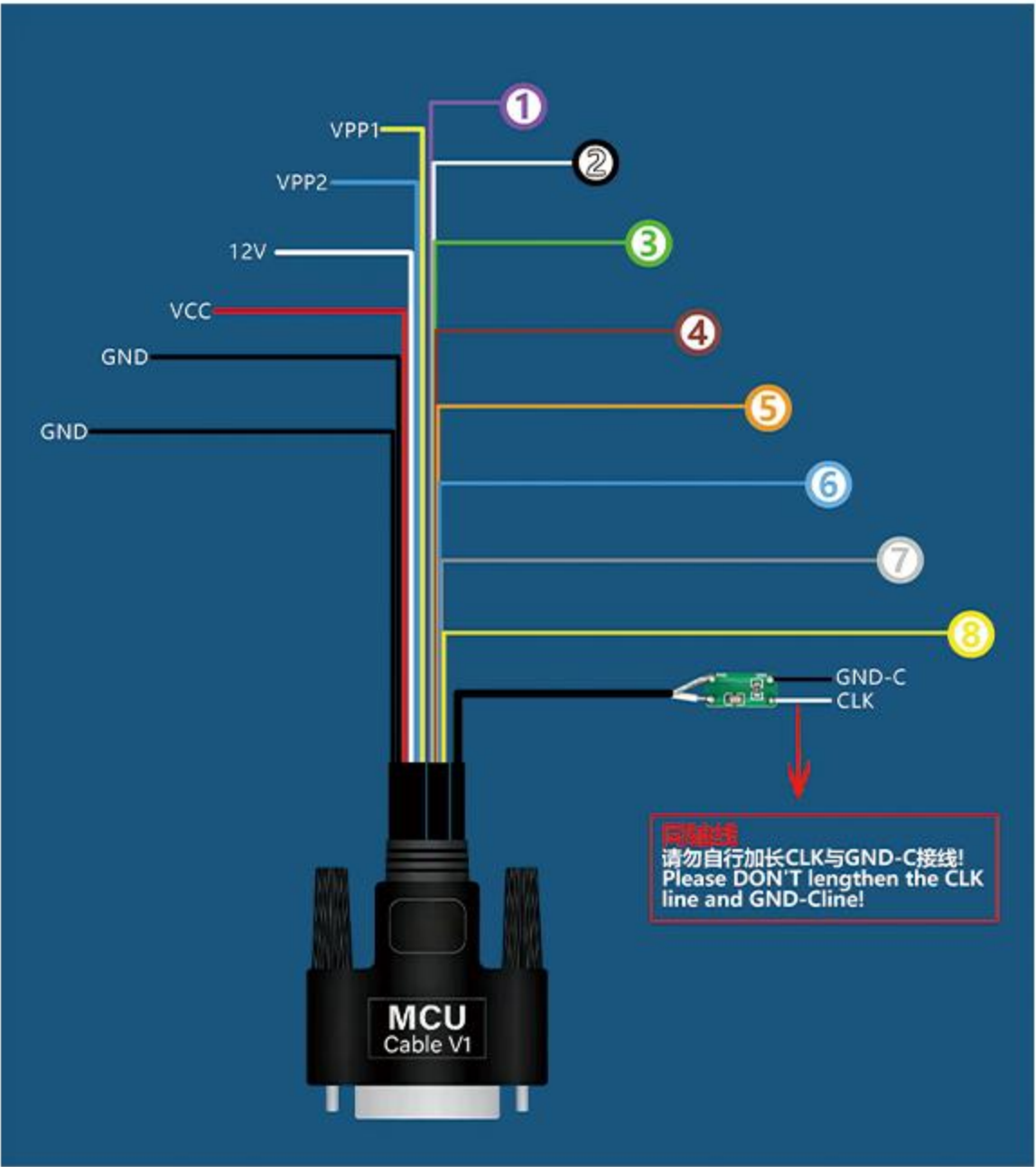
For programming 8-pin chips, solderless pin contact. Compatible with 6/8-pin soldering positions.

Accessory Details

7.MCU-CableV1 Programming Cable



MCU线束				
DB26 pinout	Wire color	Network / Function	Sleeve silkscreen	Remarks
1	White	ECU_B2	2	Signal harness
2	Brown	ECU_B4(TX)	4	
3	Blue	ECU_B6	6	
4	Yellow	ECU_RESET	8	
5				
6				
7				
8	Red	ECU_SI_VDD/VCC	VCC	Power harness
9	Yellow	VPP1/VPP	VPP1	
10	Purple	ECU_B1	1	Signal harness
11	Green	ECU_B3	3	
12	Orange	ECU_B5	5	
13	Gray	ECU_B7	7	
14				
15				
16				
17				
18	Blue	VPP2/VPPR	VPP2	Power harness
19	White	ECU_W/R_FREQ/CLK		CLK harness
20				
21				
22				
23				
24	Two black wires	GND	GND	Ground wire
25	Black	GND-C		CLK harness ground wire (this wire is a shielded wire)
26	White	12V	12V	Power harness

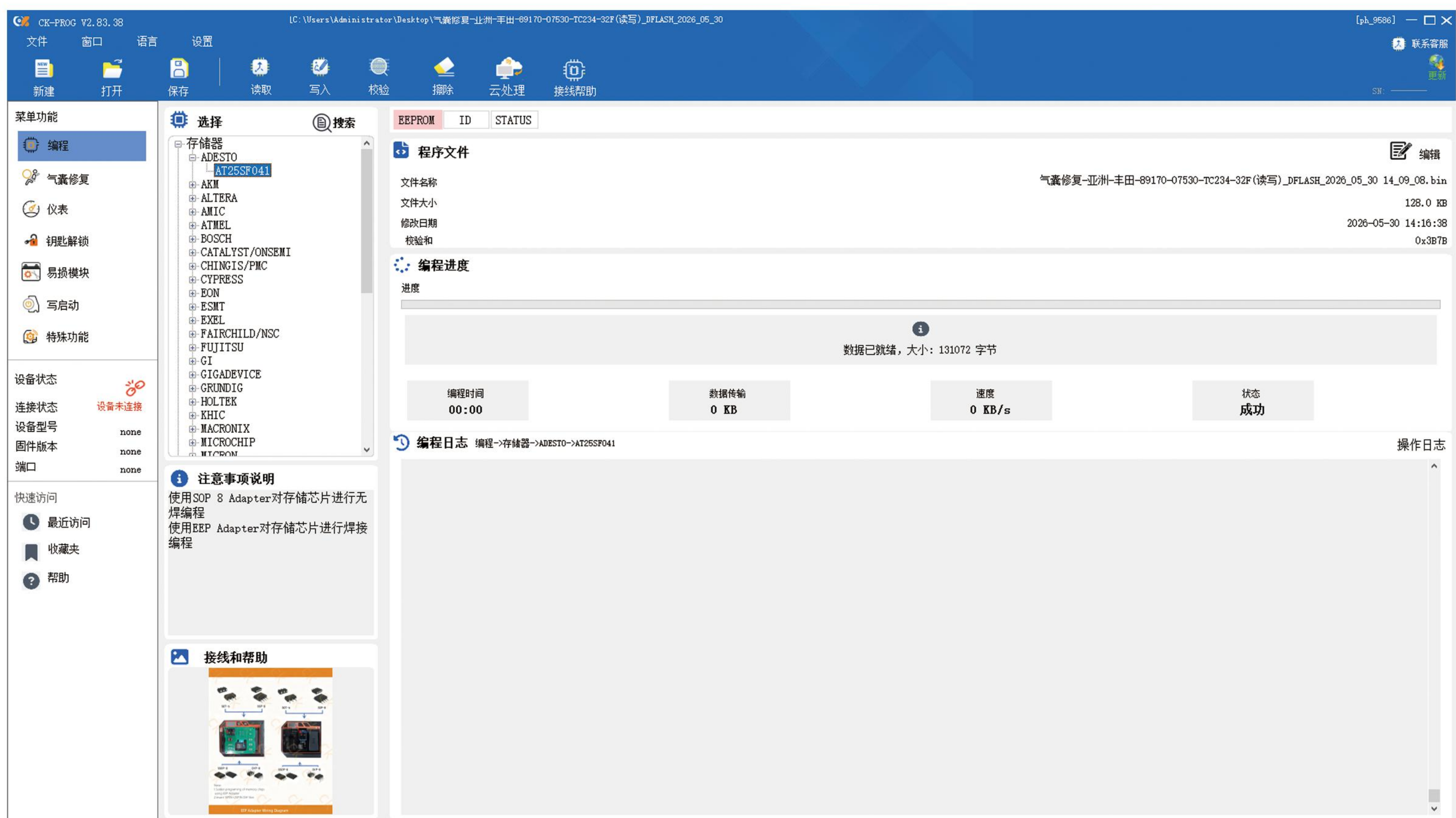


Supports programming for various chips.
Clearly marked wire numbers for stable and safe soldering.

Software Introduction & Operation Guide

Memory Introduction

This software's memory functions support data reading, writing, backup and repair of onboard storage chips for automotive electronic boards. It serves as a basic repair function for airbag computers, instrument panels, body control modules, engine ECUs and other devices, and is compatible with mainstream Flash and EEPROM storage chips on the market.



Software Application

Select Program on the left → choose Memory, then search for the corresponding chip model.

Double-click the highlighted item or click Wiring Help to view the wiring diagram.

Connect the device to the chip, read original data and save a backup.

Import repaired data and start writing.

Built-in data verification ensures complete and lossless writing.