

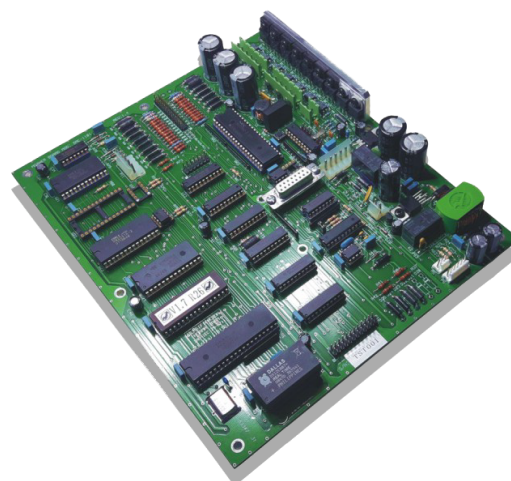


SMC-1100

ELECTRONIC HEADER

SMC-1101 Mother Board

The **SMC-1101** Mother Board is the Data Processor and Peripheral Control Unit for the **SMC-1000** System. It contains two microprocessors: one primary (CPU) and other secondary. The primary processor, controls two expense hoses and the parameters settings, such as Price and Density. The secondary processor is responsible for controlling the basic functions of hardware, such as generating the background signal for LCD modules of subgroup **SMC-1103** Display Board.



General Technical Specifications

- Two microprocessors ensure efficiency, safety operation and reliability.
- Detection and Warning System in operations of fraudulent charges.
- Automatic three-lines selection system, is supervised by main microprocessor.
- Intelligent recognizing of start of charge.
- Diagnostic routines runs automatically on start-up and hose unhook.
- Inviolable total register can be observed by pressing a pushbutton.
- Partial counter register of volume or sales are easy reported.
- Serial communication port for automotion integration (protocol included).
- Early Power Fail Detection.
- Battery Backup.
- EEPROM guarantee safe saving of user programmed parameters.
- Direct retrieve of previous sale.
- Intelligent solenoid valve activation system for low consumption and maximum safety.
- 3-way (6 solenoid valves) and 1-way (2 solenoid valves) models with end-of-charge lamp connector.

Firmware Special Features

- Total access to system configuration by microkeyboard, there no need to open the dispenser.
- Presentation of instantaneous flow in each dispatch.
- Calibration of dispenser via special functions system.
- Monetary rounding function.
- Selection of deferred price for hose.
- Efficient preload system for fast dispenser operation.
- Random prize system, offers prizes for dispatching CNG.



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SMC-1101

Mother Board V1.7R26 Solenoid valve connection (SV)

HOSE 1

1 2 3 4 5 6

LOW MEDIUM HIGH

SV1 SV2 SV3

HOSE 2

1 2 3 4 5 6

LOW MEDIUM HIGH

SV4 SV5 SV6

For Mother 3 Ways, 6-position terminal blocks per hose are supplied. For Mother 1 Via, 2-position terminal blocks per hose are supplied.

**24 Vdc/ac
End of Charge
Lamp**

**Test button for
manual power on
of solenoid valves**

HOSE 1 **HOSE 2**

1 → 6

USE MODE

Touch the test button 1 time, then press again for 1 second until the first LED of Hose 1 lights up. For each press of the button, each solenoid valve (SV) will turn on in sequence, starting from Hose 1 and continuing with Hose 2. Once all the SV are turned on, the next pulse will turn them off and exit test mode. In the case of the 1-Way Mother, the testing sequence is respected for visual purposes even if the SV excitation hardware is not installed.