

# SOCIO COLLECTION

Truck, Motorcycle, Car, Bus, Trailer and Commercial Vehicle Diagnostic



 **SOCIO**  
**COLLECTION**



**TECNOMOTOR**®

# SOCIO 6x0

## Diagnostic Tablet with Integrated Scope

### Key Features

- Vehicle selection and identification of diagnostic socket and required cable
- ECU diagnosis with parameters, status, errors codes reading/deletion, enabling, coding, technical data sheet, service reports, saving of test session
- Evoluted Scan error functions
- Advanced ECU selection (Through engine code, brand model, ECU etc)
- Scope and Diagnostic in the same screen to compare electrical and digital signals of the ECU
- ECU automatic search
- Road test with diagrams
- Pokayoke features and data (Airbag, Service and maintenance, vehicle DTC scan and Technical Data)
- Oscilloscope with 4 channels and integrated signal analysis
- Digital multimeter
- Display/acquisition of images from external endoscope
- LPG/CNG leak detection
- Bluetooth connection to PC for remote data upload and PASS-THROUGH operation
- SOCIO PREMIUM PC software enables module management from PC.
- **Easy fix Diagnostic systems integrates Troubleshooting information starting from a failure of a single component with automatic scope and diagnostic setup. It allows the simultaneous check of diagnostic data and scope parameters.**

### Standard Configuration

- Tool with textile safe keeping
- Case
- EOBD cable for vehicle connection plus 3 m extension cable
- 16GB SD card or higher
- SD card reader
- 5 leads+ clips for the acquisition of electric signals and 2 test probes
- Installation Manual
- CD-ROM with manual and update software
- 12-months of free update subscription
- Main power supply
- Bluetooth module for PC



### Accessories



Part No.6011000025 Battery charging/holder base

Part No.6011000046 Kit for LCD protection

Part No.6011000030 Endoscope

Part No.6011000035 LPG/Natural Gas leak detector

Part No. 6011000045 Vehicle Hook

## Cutting-edge Technology. Easy and Accurate.



### Technical Specifications

Protection class: IP54 or higher  
Rubber overmoulded shockproof case  
Power supply: 8 to 48 V  
Intel/Marvell II PXA 270: 520 MHz Internal Clock - 204 MHz Bus or higher  
800x600 TFT Display: size 8", 262144 colours, high brightness and visibility (vertical and horizontal display regulation) Touch Screen  
RAM 64MB & STRATAFLASH 32MB  
Removable SD CARD: 16 GB or higher  
2 Internal Lithium Battery Packs rechargeable from diagnostic socket.  
Over 4 hours of operation disconnected from diagnostic socket  
Integrated Bluetooth device for wireless communication with external devices or PC, class 1 - 300 m  
Report printout: via USB mass storage key or via BT through PC  
Available expansions: 3 USB ports, endoscope, CNG/LPG leak detector.  
ECU communication:  
Microcontroller for real time communication with control units:  
Fujitsu MB96F543, Altera EPM77128SQ coprocessor  
RAM 128 KB for real time hardware communication with vehicle control units  
Electronic Multiplexer integrated. Fully automatic  
Supported protocols: Pulse code, KL-ISO9141, KISO14230, J1850VPW, J18050PWM, CAN low/high speed, RS485, ISO 15765, SAE J2610, ISO11992, SAE J2740, SAE J2411, SAE J1939, ISO 11992, RS232, J2534-3 passthrough compliant.  
Operating temperature: -20 - 70 °C  
SCOPE/MULTIMETER (picture of sensors)  
ARM STELLARIS NXP LPC 2378 Oscilloscope Microcontroller  
4-channel ADC scope. 25 MS/s sampling rate for each channel  
± 200V - 8-bit vertical resolution- 64 KB internal Ram  
Internal accelerator to switch automatically the display from horizontal to vertical  
Multimeter: 16-bit vertical res. ± 200V  
Galvanic isolation for multimeter/oscilloscope



# SOCIO 5x0 Premium

## Diagnostic Handheld Tool & PC tool



Two-in-one tool. Handheld & PC.



**pokayoke**  
system

### Key Features

- Vehicle selection and identification of diagnostic socket and required cable
- ECU diagnostic with parameters, statuses, errors code reading/deletion, enabling, coding, technical data sheet, service reports
- Road test with diagrams
- Pokayoke features and data (Airbag, Service and maintenance, vehicle DTC scan and Technical Data)
- Bluetooth connection to PC to remote data upload and PASS-TROUGH (SAE J2534) operation
- SOCIO PREMIUM PC software

### Standard Configuration

- Tool with Lithium battery
- EOBD cable for vehicle connection
- 1GB SD card or higher
- SD card reader
- Installation Manual & Quick Guide
- CD-ROM with manual and update software
- Free 12-months update subscription
- Main power supply
- Bluetooth module for PC
- Case



### Accessories



Part No. 6011000001 Cover

### Technical Specifications

Power supply: 8 to 48 V  
Intel/Marvell II PXA 270: 406 MHz Internal Clock - 204 MHz Bus or higher  
320x240 TFT Display: size 3.5", 262144 colours, high brightness and visibility  
16-key keyboard  
RAM: 32MB  
STRATAFLASH : 16MB  
Removable SD CARD: 1 GB or higher  
Internal Lithium Battery rechargeable from diagnostic socket.  
Over 4 hours of operation disconnected from diagnostic socket  
Integrated Bluetooth device for wireless communication with external devices, class 1 – 300 m  
Report printout: via USB mass storage key

#### ECU communication:

Microcontroller for real time communication with vehicle control units:  
Fujitsu MB96F543 - Coprocessor Altera EPM77128SQ  
RAM 128 KB for hardware real time communication with the vehicle control units  
Fully automatic and integrated electronic Multiplexer: It does not require external electronics for pin switching  
Supported protocols: Pulse code, KL-ISO9141, KISO14230, J1850VPW, J18050PWM, CAN low/high speed, RS485, ISO 15765, SAE J2610, ISO11992, SAE J2740, SAE J2411, SAE J1939, ISO 11992, RS232, J2534-3 passthrough compliant.  
Operating temperature: -20 – 70 °C



# SOCIO 3x0 Premium

## Diagnostic Module for PC



Exhaustive diagnostic  
on your PC.



### Key Features

- Vehicle selection and identification of diagnostic socket and required cable
- ECU diagnostic with parameters, status, error code reading/deletion, enabling, coding, technical data sheet, service reports, saving of test session
- Road test with trend charts
- Pokayoke features and data (Airbag, Service and maintenance, vehicle DTC scan and Technical Data)
- PC connection via USB port or Bluetooth
- PC SOCIO PREMIUM Software.

### Standard Configuration



- Tool
- Case
- EOBD cable for vehicle connection
- Installation Manual and quick guide
- CD-ROM with manual and update software
- Free 12-months update subscription
- BT for PC
- Main Power supply
- USB cable

### Accessories



Part No. 6011600110 Wireless display unit

### Technical Specifications

Microcontroller for real time communication with vehicle control units: Fujitsu MB96F543

Coprocessor Altera EPM77128SQ

128KB RAM for real time hardware communication with vehicle control units

Integrated Electronic Multiplexer: It does not require external electronics for pin switching. Fully automatic

Supported protocols: Pulse code, KL-ISO9141, KISO14230, J1850VPW, J18050PWM, CAN low/high speed, RS485, ISO 15765, SAE J2610, ISO11992, SAE J2740, SAE J2411, SAE J1939, ISO 11992, RS232, J2534-3 passthrough compliant.

Operating temperature: -20 – 70 °C

PC connection via USB port or class-1 internal Bluetooth device 300 m range in free space.

Shockproof case



## CARS AND COMMERCIAL VEHICLES - Versions 310 (PC) - 510 (Palm) - 610 (Tablet)

12 months  
sw up-dates  
included

SW UP-DATE  
Data Base  
EACH MONTH

### Diagnostic Features & Benefits

Fault Code Reading/Deletion, Parameter/Status Reading, ECU Information Reading, Component activation, Fuel Injector Coding, Auto-adaptive Parameter Reset, Idle Adjustment, Throttle Adjustment, DFP/FAP Replacement, Service Reset, YAW Sensor Calibration, Gearbox Auto-adaptive Parameter Reset, Long Life, Air Bag Coding, ECU Replacement, Key and Remote Control Coding, Xenon Headlights Setting, Suspension Setting, Dashboard Language Setting, A/C Flap Teach-in, etc.

### Covered Systems

ABS/Traction Control/ESP, Air Bags, Park Assist, Antitheft System, Car radio, Service Reset  
Body Computer, Central Locking System, Climate Control, Immobilizer Card Coding, Key Coding, Remote Control Coding, Comfort/Antitheft System, Cabin Control, Diesel Oil Additive Control, Steering Angle Control  
Setup/Suspension Control, Headlights Control, Doors Control  
Seat Control, Traction Control, Cockpit/Immobilizer, Tyre Monitoring Diagnostics, 4WD Electronics  
Gearbox Electronics, Front Central Electronics, Rear Central Electronics, Clutch Electronics, Gearshift Lever Electronics, Engine Electronics, Directional Wheels Electronics, Suspension Electronics  
Drive Train Electronics, Parking Brake, Immobilizer, Right Headlight Modulation  
Left Headlight Modulation, SOS Module, Navigator, Pre-Fuel Pump  
Dashboard, Headlight Beam Width Adjmt., Distance Adjustment, Level Adjustment  
Seats/Mirrors Adjustment, CAN Network, Battery Charging, Power Steering/Electric Steering, Sound System  
Rear Spoiler, On-Board Instrumentation, TPMS, Roof Control Unit

#### European vehicles brands cables kit

Part No.6011000300 including the following cables:

(optional kit)

Part No.6011001604 FORD Cable  
Part No.6011001605 VAG Cable  
Part No.6011001607 FIAT/IVECO Cable  
Part No.6011001610 OPEL Cable  
Part No.6011001612 RENAULT Cable  
Part No.6011001620 PSA 2 Pin Cable  
Part No.6011001642 PSA 30 Pin Cable  
Part No.6011001643 BMW Cable  
Part No.6011001648 MERCEDES Cable  
Part No.6011001650 SPRINTER/  
SSANGYONG Cable  
Part No.6011001651 IVECO DAILY Cable



#### Asian-Brand Vehicle Cable Kit Case

Part No. 6011000305 Including following cables:

(optional kit)

Part No.6011001649 DAEWOO Cable  
Part No. 6011001650 SPRINTER/SSANGYONG Cable  
Part No.6011001652 HYUNDAI-MITSUBISHI Cable  
Part No.6011001653 NISSAN14 Pin Cable  
Part No.6011001655 KIA 20 Pin Cable  
Part No.6011001656 MAZDA Round 17 Pin Cable  
Part No.6011001658 TOYOTA 17 Pin Cable  
Part No.6011001659 HONDA 5+3 Pin Cable  
Part No.6011001661 SUZUKI 6+4 Pin Cable  
Part No.6011001663 SUBARU 9 Pin Cable  
Part No.6011001600 UNIVERSAL Cable



### Covered Brands:

ALFA, ALPINA-BMW, ASTON MARTIN, AUDI, AUTOBIANCHI, BENTLEY, BMW, CADILLAC, CHEVROLET, CHRYSLER, CITROEN, CORVETTE, DR, DACIA, DAEWOO, DAIHATSU, DAIMLER, DODGE, FERRARI, FIAT, FORD, GM, HONDA, HUMMER, HYUNDAI, INNOCENTI, IVECO, JAGUAR, JEEP, KIA, LADA, LAMBORGHINI, LANCIA, LAND ROVER, LEXUS, LOTUS, MASERATI, MAYBACH, MAZDA, MERCEDES, MG, MINI, MITSUBISHI, NISSAN, PAGANI, PEUGEOT, PORSCHE, RENAULT, ROLLS-ROYCE, ROVER, SAAB, SEAT, SMART, SSANGYONG, SUBARU, SUZUKI, TATA, TOYOTA, UAZ, VOLVO, VW, ISUZU

To activate a new licence (car or truck),  
simply request a new password.  
(No adapters or additional cards needed)



**12 months  
sw up-dates  
included**

## **MOTORCYCLES- Versions 390 (PC) - 590 (Palm) - 690 (Tablet)**

### **Diagnostic Features & Benefits**

Fault Code Reading/Deletion, Parameter/Status Reading, ECU Information Reading, Component Enabling, Auto-adaptive Parameter Reset, CO Adjustment, Key Coding, Service Reset, etc.

### **Covered Systems**

Engine Electronics  
Immobilizer  
Hands Free  
Service Reset  
Belt Service  
TPMS  
Robotised Gearbox  
On-board instrumentation  
ABS  
Traction Control  
Suspensions

### **Covered Brands**

APRILIA, BENELLI, BIMOTA, BMW, CAGIVA, DUCATI, GASGAS, GILERA, GUZZI, HARLEY DAVIDSON, HONDA, KAWASAKI, KVN, KTM, KYMCO, LAVERDA, MALAGUTI, MONDIAL, MORINI, MV, PEUGEOT, PIAGGIO, SHERCO, SUZUKI, SYM, TRIUMPH, VOXAN, YAMAHA.

#### **Motorbike Cable Kit Case Part No. 6011000312 includes the following cables:**

**(included in the standard configuration)**

Part No. 6011001547 Battery power supply cable  
Part No. 6011001600 Universal cable  
Part No. 6011001607 Basic cable: : DUCATI, GUZZI, PIAGGIO, etc  
Part No. 6011001801 HONDA adapter cable, up to MY06  
Part No. 6011001802 SUZUKI adapter cable  
Part No. 6011001803 KAWASAKI adapter cable, MY03 to 06  
Part No. 6011001804 KAWASAKI adapter cable, post MY07  
Part No. 6011001805 BENELLI adapter cable  
Part No. 6011001806 APRILIA adapter cable  
Part No. 6011001807 PEUGEOT adapter cable  
Part No. 6011001808 HARLEY DAVIDSON adapter cable, post MY00  
Part No. 6011001809 BMW adapter cable, up to MY03  
Part No. 6011001810 HONDA Immobilizer adapter cable, post MY05  
Part No. 6011001811 HONDA adapter cable, post MY06  
Part No. 6011001812 BMW CAN cable  
Part No. 6011001815 DUCATI adapter cable, post MY08  
Part No. 6011001813 KTM adapter cable  
Part No. 6011001816 KYMCO adapter cable



To activate a new licence (car or truck),  
simply request a new password.  
(No adapters or additional cards needed)



## TRUCKS, BUSES, TRAILERS AND COMMERCIAL VEHICLES - Versions 380 (PC) - 580 (Palm) - 680 (Tablet)

12 months  
sw up-dates  
included

### Diagnostic Features & Benefits:

Fault Code Reading/Deletion, Parameter/Status Reading, ECU Information Reading, Component Activation, Fuel Injector Coding, Auto-adaptive Parameter Reset, ECU Replacement with settings copying, Service Reset, Suspension Setup, Cylinder Compression Test, etc.

### Covered Systems

ABS/Traction Control/ESP, Air Bags, Park Assist, Antitheft, Car Radio, Service Reset, Body Computer, Central Locking, Climate Control, Immobilizer Card Coding, Key Coding, Remote Control Coding, Comfort/Antitheft System, Cabin Control, Diesel Fuel Additive Control, Steering Angle Control, Setup/Suspension Control, Headlight Control, Door Control, Seat Control, Traction Control, Cockpit/Immobilizer, Tyre Monitoring Diagnostics, 4WD Electronics, Gearbox Electronics, Front Central Electronics, Rear Central Electronics, Clutch Electronics, Gearshift Lever Electronics, Engine Electronics, Directional Wheels Electronics, Suspension Electronics, Drive Train Electronics, Parking Brake, Immobilizer, Right Headlight Modulation, Left Headlight Modulation, SOS Module, Navigator, Pre-Fuel Pump, Dashboard, Headlight Beam Width Adjmt., Distance Adjustment, Level Adjustment, Seats/Mirrors Adjustment, CAN Network, Battery Charging, Power Steering/Electric Steering, Sound System, Rear Spoiler, On-Board Instrumentation, TPMS, Roof Control Unit.

### Truck - Covered Brands

ASTRA, AVIA, BEIFANG BENCHI, BREMACH, BUCHER-SCHORLING, DAF, DENNIS EAGLE, DONGFENG, DULEVO, ERF, FODEN, FORD, HINO, IVECO, KAMAZ, MAN, MAZ, MERCEDES, MULTICAR, NISSAN, O.ZETA, CLES, RENAULT, SCANIA, SEDDON ATKINSON, SHAANXI, STAR, TADANO FAUN, TERBERG, TEREX, VOLVO.

### Bus - Covered Brands

ALEXANDER DENNIS, AUTODROMO, BEULAS, BMC, BREDAMENARINI, CACCIAMALI, CAETANO, CASTROSUA, CREDO, DALLA VIA, EVOBUS – MERCEDES, FAREBUS, FAST, GOLDEN DRAGON, HEULIEZ BUS, IRISBUS – IVECO, IRIZAR, KAMAZ BUS KING LONG, LEXEA, MAN BUS, MARCO POLO, MERCEDES BUS, NEOPLAN, OTOKAR, RAMPINI, RENAULT BUS, SCANIA BUS, SETRA, SHENLOG, SOLARIS, TEMSA, TVM MARBUS, VAN HOOL, VDL BERKHOFF, VDL BOVA, VDL BUS, VDL JONCKHEERE, VOLVO BUS, YUTONG

### Trailer/Semi-Trailer - Covered Brands

ACERBI, ADAMOLI, ADIGE, ANTEO, BERTOJA, CARDI, CARLUX, CARMOSINO, CCFC, CHIAVETTA, CTB, CTC, D-TEC, DOLL, FAYMONVILLE, FELDBINDER, FGM CAR, GONTRAILER, KASSBOHRER, KOGEL, KRONE, LAMBERET, LECINENA, MEILLER-KIPPER, MENCI, MERKER, MICHIELETTA, MIELE, MINERVA, MIROFRET, MONTENEGRO, MULTITRAILER, NARDI, O.M.E.P.S., OMAR, OMSP MACOLA, AGANINI, , ANNISAR, , AVELLI, SCHMITZ, SCHWARZ, SCHWARZMULLER, TABARRINI, TALSON, TECNOKAR, TIRSAN, TITAN, TRAILOR, VIBERTI, ZORZI

**Basic Cable Kit Case Part No. 6011000320** Includes following cables:  
(included in the standard configuration)

Part No. 6011001612 RENAULT Truck and Commercial Vehicle cable  
Part No. 6011001650 Mercedes Truck and Commercial Vehicle cable  
Part No. 6011001641 Truck EOBD cable  
Part No. 6011001670 DAF cable, Scania cable  
Part No. 6011001673 IVECO Truck cable  
Part No. 6011001651 IVECO Truck and Commercial Vehicle cable  
Part No. 6011001607 IVECO Truck 2 cable  
Part No. 6011001671 VOLVO Truck cable  
Part No. 6011001674 MAN Truck cable  
Part No. 6011001678 MAN Truck 2 cable  
Part No. 6011001600 Universal Connection cable  
Part No. 6011001646 3-m diagnostic cable extension  
Part No. 6011001647 Battery connection cable



**Expert Cable Kit Case Part No. 6011000321**  
(optional Kit)

Includes the following cables:

Part No. 6011002679 Trailer cable E679  
Part No. 6011002672 Trailer cable WABCO\_KNORR  
BREMSE  
Part No. 6011002681 Trailer cable HALDEX ABS  
Part No. 6011002684 Trailer cable HALDEX EBS  
Part No. 6011002668 cable Trailer 3J1939



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# SOCIO COLLECTION

Choose the platform that best suits  
your needs (PC – Palm – Tablet),  
and configure it with the dedicated  
software (Car, Motorbike, Truck, Bus,  
Commercial Vehicles and Trailers).



Part No. 7051287-3

[www.tecnomotor.it](http://www.tecnomotor.it)

BV-certified Quality  
Management System  
compliant with  
UNI EN ISO 9001:2008

**TECNOMOTOR S.p.A.**  
Company under the management and direction of Nexion S.p.A  
**Via Moruzzi 3A - 43122 PARMA (Italy)**  
Tel. +39 0521 398211 - Telefax +39 0521 607586  
e-mail: [info@tecnomotor.it](mailto:info@tecnomotor.it)

The Manufacturer reserves the  
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 made in Italy